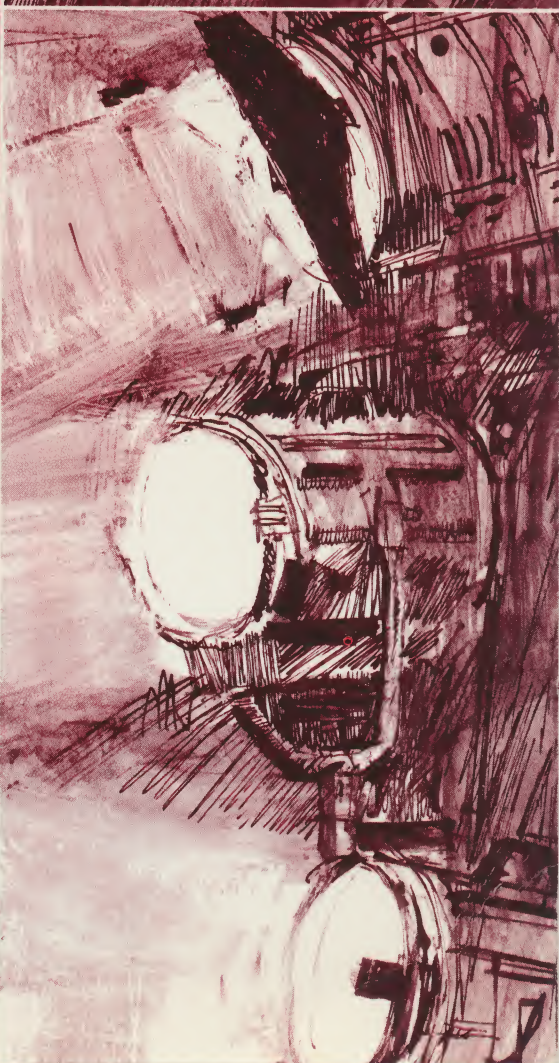
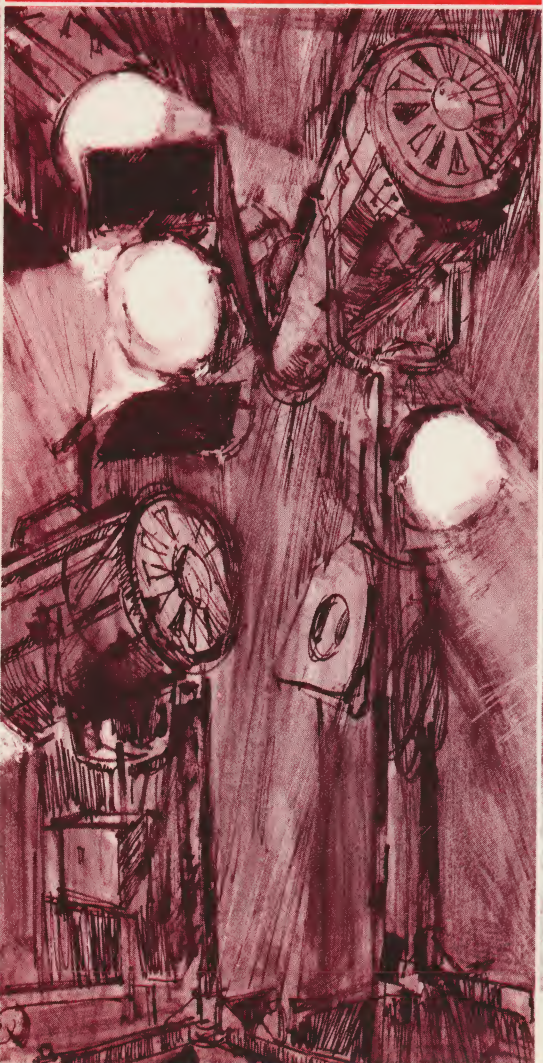
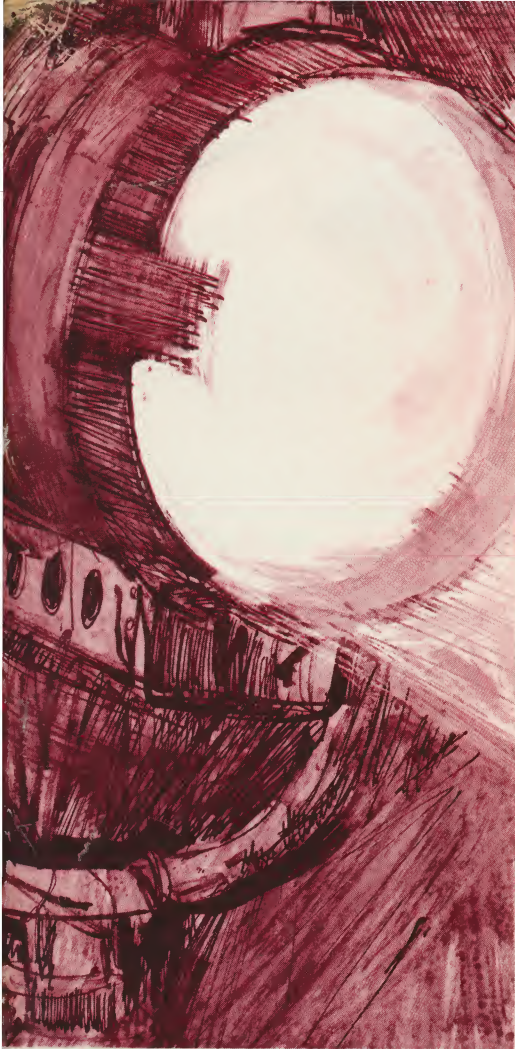




Mole-Richardson Co.

The recognized
standard
in Hollywood Studios

CATALOG K



THIS IS *Mole-Richardson Co.*

Since its founding by Peter Mole, in Hollywood, in 1927, Mole-Richardson has devoted all of its research and manufacturing facilities to the production of lighting and power equipment designed to satisfy the needs of the motion picture, television, and studio photographic industries. Today, Mole-Richardson products are sold and serviced around the world.

Mole-Richardson is continuously improving and developing new techniques of design and manufacture to meet the challenges of these dynamic industries.

RENTAL To meet the ever changing requirements of the varied production problems Mole-Richardson maintains a comprehensive rental department. All of its products, both lighting and power equipment, are available on a rental plan for shipment anywhere in the world.

REPLACEMENT PARTS To keep all of its products in constant operation a complete stock of replacement parts is always available for immediate shipment.

ENGINEERING However involved your lighting problems might be, Mole-Richardson engineers are available to consult with you. With years of experience, they will be happy to recommend the proper equipment for your requirements.

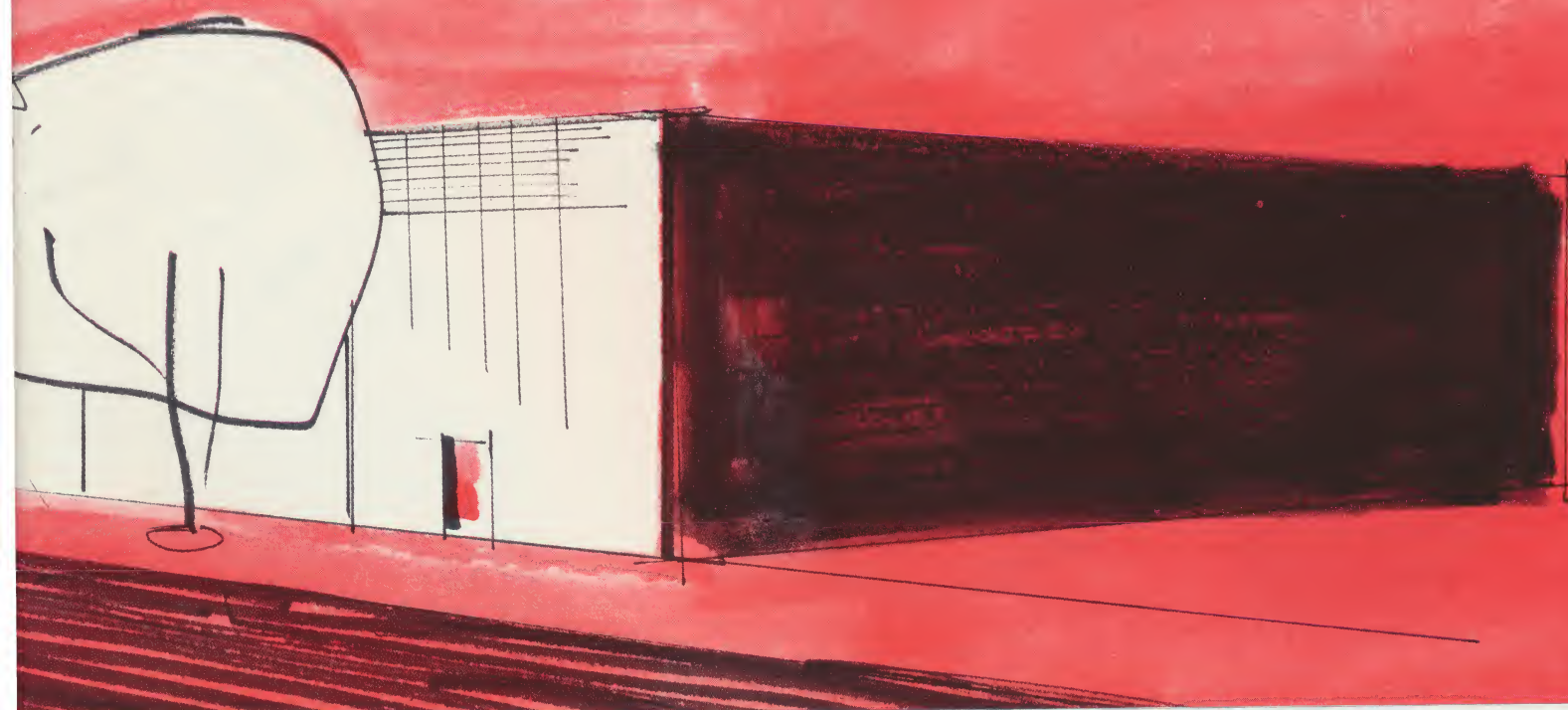
In this catalog you will find complete information on Mole-Richardson products.





INDEX

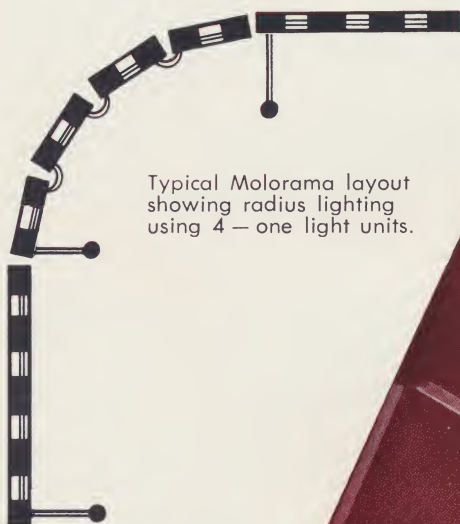
2-3	This is Mole-Richardson Co.
4-7	Quartz Lighting Equipment
8-25	Incandescent Lighting Equipment
26-30	Pedestals
31	Desert Dolly
32	Spot Projector
33-35	Grip Equipment
36-38	Accessories
39	Supplies
40	New Additions
41-45	Special Effects
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54	Microphone Boom
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59-62	Books
63-67	Tables and Information





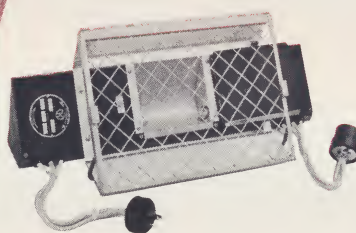
2,000 WATT MOLORAMA QUARTZ CYC-STRIP

	4-Light Strip Type 2471	3-Light Strip Type 2441	1-Light Strip Type 2481
Max. Watts	2000	1500	500
Max. Amperes	16.7	12.5	4.2
Length	84"	63"	21"
Weight	12½ lbs.	9½ lbs.	4 lbs.



Typical Molorama layout showing radius lighting using 4 — one light units.

**TYPE 2471
4-LIGHT MOLORAMA
QUARTZ CYC-STRIP**



TYPE 2481 — ONE-LIGHT UNIT WITH
TYPE 24430 SHADOWLESS SAFETY GUARD



FEATURES

Soft even light—on vertical cycs from easily concealed floor fixtures—from battens to light upper portions of tall cycs.

Two position mounting—vertical cyc lighting or foot-lighting effect.

Even illumination automatic with fixtures laid end-to-end in straight portions of cyc, or any radius curve with inter-connected One-Light fixtures.

Quartz-iodine 3200°K, constant color temperature, non-blackening globe—500 watts (250 hours). Also available—3025°K 500 watts (2000 hours).

SPECIFICATIONS

Construction: Sheet Steel.

Reflectors: Aluminum, special Molebrite Alzak surface.

Sockets: Compressible single contact, two per globe.

Connections: Type 2481—12" leads both ends with twistlocks for interconnecting up to 6 One-Light units. Type 2441 and Type 2471—12" leads normally at left end of unit. Leads at opposite end, upon request, for ease in connecting two units to one power source. Three wire circuit on all fixtures adaptable to two or three conductor connectors. Third wire provides ground when required.

Height: 27⅝" in flat position, 43⅝" in upright position.

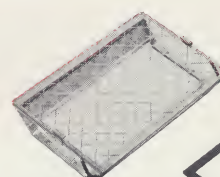
Covers: Hinged over each globe and reflector.

Volts: 120, AC or DC.

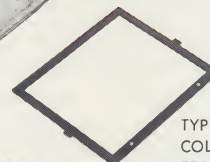
Finish: Baked maroon enamel.

Globes: (Not included in price). 500 watts, frosted or clear. Frosted recommended for smoother field. Items 31, 32, 42 and 43. Page 65.

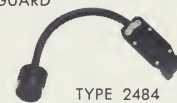
ACCESSORIES:



TYPE 24430
SHADOWLESS
SAFETY GUARD



TYPE 24450
COLOR FILTER
FRAME



TYPE 2484
POWER SUPPLY ADAPTER

Type 24430 Shadowless Safety Guard (with color frame clips) mounts over each globe. Hinged cover screen opens to permit easy operation of globe covers. Clips for slip in mounting of color filter frame.

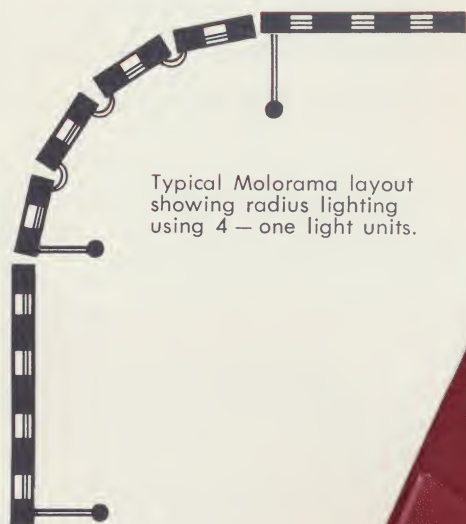
Type 24450 Color Filter Frame mounts to safety guard. Accommodates gelatine or other filter and diffusion material. Hinged for easy loading.

Type 2484 Power Supply Adapter (To connect up to six One-Light units to plugging box.)



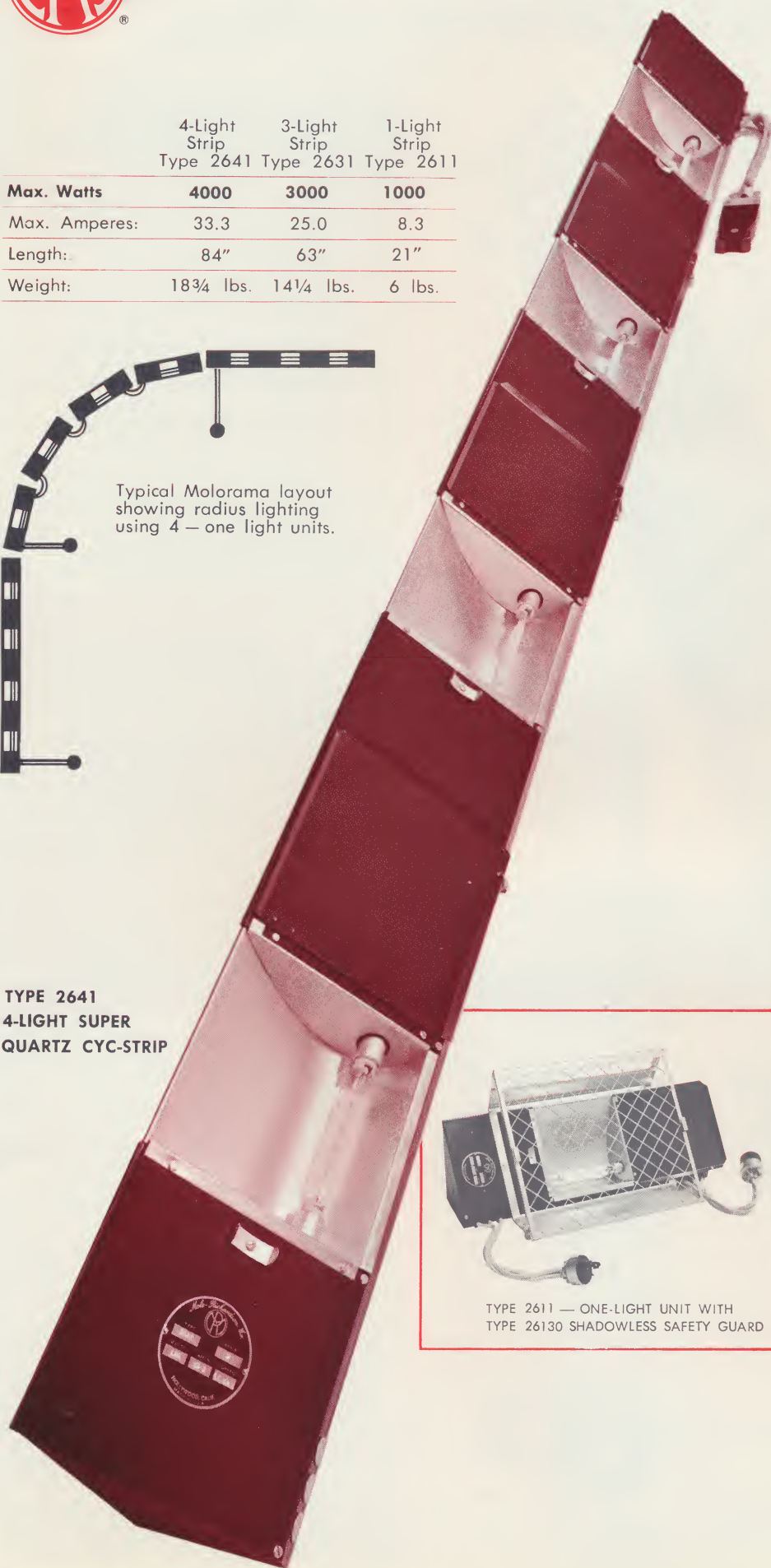
4,000 WATT MOLORAMA "SUPER" QUARTZ CYC-STRIP

	4-Light Strip Type 2641	3-Light Strip Type 2631	1-Light Strip Type 2611
Max. Watts	4000	3000	1000
Max. Amperes:	33.3	25.0	8.3
Length:	84"	63"	21"
Weight:	18¾ lbs.	14¼ lbs.	6 lbs.



Typical Molorama layout showing radius lighting using 4 — one light units.

TYPE 2641
4-LIGHT SUPER
QUARTZ CYC-STRIP



TYPE 2611 — ONE-LIGHT UNIT WITH
TYPE 26130 SHADOWLESS SAFETY GUARD

FEATURES

Soft even light from strips up to seven feet long rated at 4000 WATTS.

Soft even light on vertical cycs from easily concealed position at floor level, or can be hung overhead to light upper regions of tall cycs.

Two position mounting—vertical cyc lighting or foot-lighting effect.

Even illumination automatic with fixtures laid end-to-end in straight portions of cyc, or any radius curve with interconnected One-Light units.

Quartz-iodine 3200°K, constant color temperature, non-blackening globes—1000 watts (500 hours) or 500 watts (250 hours).

SPECIFICATIONS

Construction: Sheet Steel.

Reflectors: Aluminum, special Molebrite Alzak surface.

Sockets: Compressible single contact, two per globe.

Connections: Type 2611—leads both ends with twistlocks for interconnecting up to 4 One-Light units, Type 2631 and Type 2641—leads normally at left end of unit. Leads at opposite end, upon request, for ease in connecting two units to one power source. Three wire circuit on all fixtures adaptable to two or three conductor connectors. Third wire provides ground when required.

Height: 4½" in flat position, 6¼" in upright position.

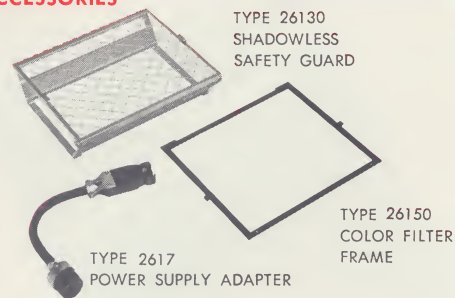
Covers: Hinged over each globe and reflector.

Volts: 120, AC or DC.

Finish: Baked maroon enamel.

Globes: (Not included in price). 1000 or 500 watts, frosted or clear. Frosted recommended for smoother field. Items 31, 32, 40, 41, 42 and 43. Page 65.

ACCESSORIES



Type 2617 Power Supply Adapter (To connect up to four one-light units to plugging box).

Type 26130 Shadowless Safety Guard.

Type 26150 Color Filter Frame.

Type 26120 C-Clamp and Hanger Assy. (Two per unit). See Dual-Quartz illustration. (Page 6).

Type 26121 Hanger Assembly only. (Two per unit).

Type 1201 C-Clamp only. (Two per unit).

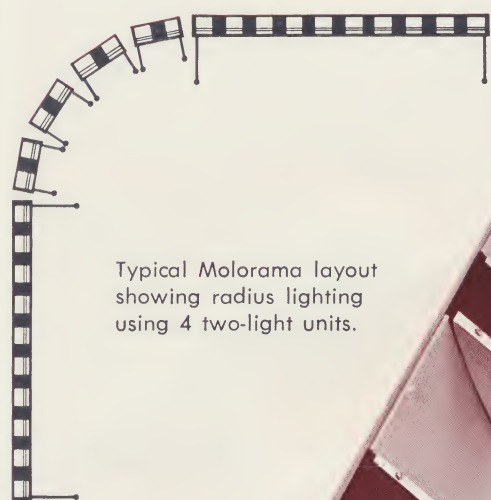
Safety Guard, with color frame clips, mounts over each globe. Hinged screen opens for easy globe replacement.



10,000 WATT MOLORAMA DUAL QUARTZ CYC-STRIP

Designed especially for Color TV and Color Motion Picture Production

	10-Light Strip Type 2651		2-Light Strip Type 2661	
	Total	Per Circuit	Total	Per Circuit
Max. Watts	10,000	5,000	2,000	1,000
Max. Amperes	83.3	41.7	16.7	8.3
Length	105"		21"	
Weight	22 lbs.		5 1/4 lbs.	

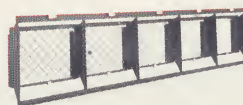


Typical Molorama layout showing radius lighting using 4 two-light units.

**TYPE 2651
10-LIGHT MOLORAMA
DUAL QUARTZ
CYC-STRIP**

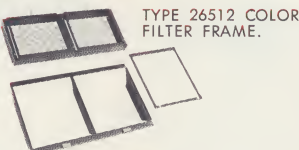


TYPE 2661 TWO-LIGHT
SUSPENDED BY TYPE 26120
C-CLAMP AND HANGER
ASSEMBLY.



TYPE 2659 SHADOWLESS SAFETY
GUARD AND COLOR FRAME
HOLDER.

TYPE 2665
SAFETY GUARD.



TYPE 2666 COLOR
FRAME HOLDER.



TYPE 2661 TWO-LIGHT WITH
TYPE 2664 SAFETY GUARD AND
COLOR FRAME HOLDER.

FEATURES

SOFT EVEN INTENSE ILLUMINATION FROM 10,000 WATT QUARTZ STRIP—on vertical cycs from easily concealed floor fixtures—from battens to light upper portions of tall cycs.

Two-circuit for color change. Ten-Light unit has five alternant lights in one 5KW circuit and five alternant lights in a separate 5KW circuit, each fed from stage plug at opposite ends of unit.

Two-Light unit is similar, with one light in each circuit.

Color of illumination may be changed by switching or fading from one circuit to the other with different colored filters covering alternant lights.

Light intensity from both units may be doubled with both circuits energized.

Even illumination automatic with fixtures laid end-to-end in straight portions of cyc, or any radius curve with Two-Light fixtures.

Quartz-iodine 3200°K, constant color temperature, non-blackening globes—1000 watts (500 hours) or 500 watts (250 hours).

SPECIFICATIONS:

Construction: Sheet Steel.

Reflectors: Aluminum, special Molebrite Alzak surface.

Sockets: Compressible single contact, two per globe.

Connections: Three single conductor leads at one end for one circuit and three leads at opposite end for other circuit. Third wire provides ground when required. All fixtures adaptable to two or three conductor connectors.

Height: 4 1/2" in flat position, 6 1/4" in upright position.

Volts: 120, AC or DC.

Finish: Baked maroon enamel.

Globes: (Not included in price) 1000 or 500 watts, frosted or clear. Frosted recommended for smoother field. Items 31, 32, 40, 41, 42 and 43. Page 65.

ACCESSORIES:

Type 26512 Color Filter Frame

Type 26120 C-Clamp and Hanger Assy. (Two per unit.)

Type 26121 Hanger Assembly only. (Two per unit.)

Type 1201 C-Clamp only. (Two per unit.)

For Type 2651 Ten-Light strip only:

Type 2659 Shadowless Safety Guard and Color Frame Holder. (Two per unit.)

Type 26510 Shadowless Safety Guard. (Two per unit.)

Type 26511 Color Frame Holder. (Two per unit.) Cannot be used without Type 26510 Shadowless Safety Guard.

For Type 2661 Two-Light strip only:

Type 2664 Shadowless Safety Guard and Color Frame Holder.

Type 2665 Shadowless Safety Guard.

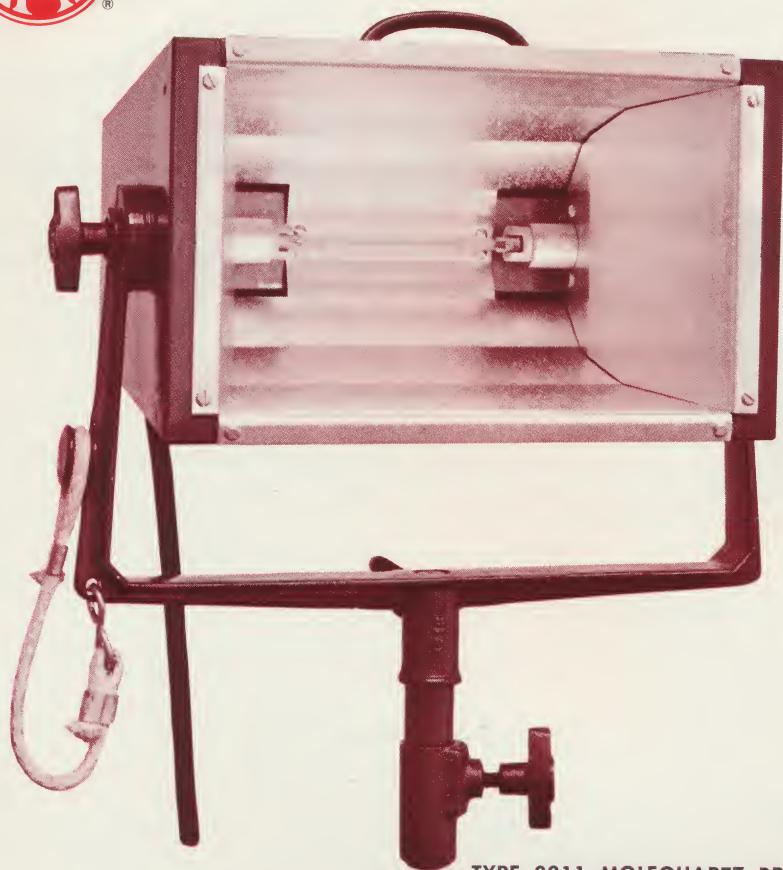
Type 2666 Color Frame Holder. Can not be used without Type 2665 Shadowless Safety Guard.

Safety Guards—used in lieu of Type 2659 and Type 2664 assemblies if Color Frame Holders not required. Hinged screen opens for easy globe replacement.

Color Frame Holders, having clips for slip in mounting of Color Filter Frames, may be added to strips with Safety Guards only.



1,000 WATT MOLEQUARTZ BROAD



TYPE 3211 MOLEQUARTZ BROAD

FEATURES:

Long life, constant color temperature, non-blackening, 3200°K quartz-iodine globes. 1000 watts (500 hours) or 500 watts (250 hours).

Soft diffused illumination from special aluminum Molebrite Alzak reflector.

Head supported on U-shaped yoke which fits any Baby-size pedestal or hanger.

Light in weight for easy hanging.

Well ventilated.

SPECIFICATIONS:

Construction: Sheet steel.

Reflector: Aluminum, special Molebrite Alzak surface.

Sockets: Compressible, single contact, two per globe.

Cable: 25 feet, Type S, 2-conductor #16AWG. (When ordering specify stage or two-prong plug.)

Switch: Thru-cord type in cable.

Globes: (Not included in price). 1000 or 500 watts, frosted or clear. Frosted recommended for smoother field. See items 31, 32, 40, 41, 42 and 43. Page 65.

Pedestal: (Type 40651A). See page 28.

Low: 40 inches.

High: 100 inches (2 extensions).

Pedestal top to light center: 7 1/2".

Weights: Head 7 1/4 pounds; Pedestal 16 1/2 pounds. Total 23 3/4 pounds.

Finish: Baked maroon enamel.

ACCESSORIES

Type 3216 Diffuser Holders (Pair required for any lamp accessory).

Type 3214 Glass Diffuser Frame Assembly

Type 32122 2-Leaf Barn Door

Type 32124 4-Leaf Barn Door

Type 32120 Diffuser Frame

Type 32121S Single Lamp Scrim

Type 32121D Double Lamp Scrim

Type 32123S Half Single Lamp Scrim

Type 32123D Half Double Lamp Scrim

Type 32125S Single Silk

Type 32125D Double Silk

Type 500179 Caster Post

Type 500141 Baby Wall Plate

Type 500144 Baby Pedestal Bracket

Type 500250 Baby Pedestal Double Head

Type 500216 Baby Pedestal Triple Head

Type 500190 Baby Trombone

Type 500119 Adapter

Type 1201 C-Clamp

Pedestal Substitutions (see pages 26-27-28)

Type 1391 Baby Size Low

Type 1581 Baby Size Sky-Hi

Type 3281 Baby Size Standard Litewater

Type 1851 Baby Size Sky-Hi Litewater

Type 75 Comet Lamp Boom

OUTPUT WITH Q1000T3 GLOBE

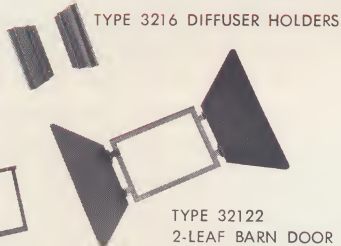
Distance Feet	Light Intensity FC	Lighted Area* Dimensions—Feet	
		Width	Height
4	1250	4.4	3.2
8	300	8.8	6.4
12	140	13.2	9.6
16	80	17.6	12.8

*Soft flat light tapers smoothly at edges of field. Dimensions listed define boundaries at which intensity is approx. 50% of maximum intensity.



TYPE 32124
4-LEAF BARN DOOR

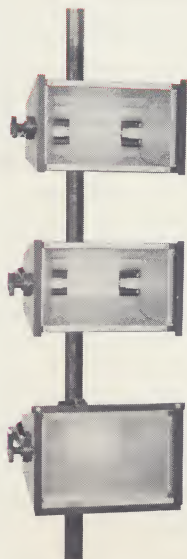
TYPE 32120 DIFFUSER FRAME



TYPE 32122
2-LEAF BARN DOOR



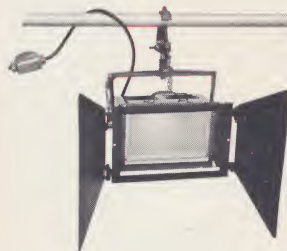
TYPE 3214 GLASS DIFFUSER
FRAME ASSEMBLY



3 TYPE 3211 MOLEQUARTZ
BROADS, POLE MOUNTED



TYPE 3211 MOLEQUARTZ
BROAD, WITH TYPE 32124
4-LEAF BARN DOOR,
TYPE 3216 DIFFUSER HOLDERS
(PAIR) MOUNTED ON TYPE
40651A PEDESTAL



TYPE 3211 MOLEQUARTZ
BROAD WITH TYPE 32122
2-LEAF BARN DOOR
TYPE 3216 DIFFUSER HOLDERS
(PAIR)—SUSPENDED OVER-
HEAD WITH TYPE 1201
C-CLAMP AND 500119
ADAPTER



TYPE 2801 HEAD ON BASE PLATE.
PEDESTALS LISTED BELOW.

SPECIFICATIONS

HEAD: Type 2801

Construction: Die cast aluminum and sheet steel.

Condenser: 3" Fresnel, 14 to 54° divergence.

Focusing: Knob on back.

Mirror: Alzak Aluminum.

Socket: Double contact bayonet.

Cable: 15 feet Type SJO, 2-conductor, #18 AWG with 2-prong house plug. Additional charge will be made for stage plug, see price list.

Switch: Thru-cord type in cable.

BASE PLATE Included in price of head, 5 1/2" diameter with 5/8" stud as on Baby-size pedestal.

WEIGHT: Head on base plate, 4 3/4 pounds.

FINISH: Baked maroon enamel.

GLOBES: (not included in price): Double contact bayonet. 120 volt globes. See items 34, 35, 36, 37, 38, 39. Page 65.

MINI-MOLE SOLARSPOT

FEATURES

Uses six different bulbs—50 to 200 watts. No Leak Light—can be used near camera lens.

Small and light. Focusable Beam—adjustable intensity and spot size.

Yoke fits on any Baby-size pedestal or hanger.

Three inch diameter fresnel condenser.

Globe quickly changed by hinged top half of housing swinging upwards.

Diffuser clips identical and are easy to replace.

ACCESSORIES See pages 36-37-38

Type 28032 2-Leaf Barn Door
Type 28034 4-Leaf Barn Door
Type 28050 Diffuser Frame
Type 28060 Set 3 Snoots
Type 28051S Single Lamp Scrim
Type 28051D Double Lamp Scrim
Type 28052S Half Single Lamp Scrim
Type 28052D Half Double Lamp Scrim
Type 1201 C-Clamp
Type 500119 Adapter
Type 500141 Baby Wall Plate
Type 500144 Baby Pedestal Bracket
Type 500179 Caster Post
Type 500190 Baby Trombone
Type 500216 Baby Pedestal Triple Head
Type 500250 Baby Pedestal Double Head
Type 500280 Baby Wall Sled

Light Control Accessories for Type 1404 and Type 2351 Midgets may be utilized with Mini-Mole. To do so, specify when ordering, and diffuser clips designed for this purpose will be substituted.

PEDESTALS See pages 26-27-28

Type 40651A Baby Size Standard
Type 1391 Baby Size Low
Type 1581 Baby Size Sky-Hi
Type 1851 Baby Size Sky-Hi Litewater
Type 3281 Baby Size Standard Litewater
Type 75 Comet Lamp Boom
Type 2751 Long Moleboom



MIDGET SOLARSPOT

FEATURES

Uses six different globes—50 to 200 watts.

Cool Operation to allow maximum globe life.

No Leak Light—can be used near camera lens.

Rugged—yet small and light. Diffuser clips identical and are easy to replace.

Focusable Beam—adjustable intensity and spot size. Yoke fits on any Baby-size pedestal or hanger.

Accessories interchangeable with 1404 Midget.



TYPE 2351 HEAD ON BASE PLATE.
PEDESTALS LISTED BELOW.

SPECIFICATIONS

HEAD: Type 2351

Construction: Cast Aluminum.

Condenser: 4-15/32" Fresnel. 12° to 52° Divergence.

Focusing: Knob on back.

Mirror: Alzak Aluminum.

Socket: Double contact bayonet.

Cable: 25 feet Type SJ0, 2-conductor, #18 AWG with 2-prong house plug. Additional charge will be made for stage plug, see price list.

Switch: Thru-cord type in cable.

BASE PLATE Included in price of head
5 1/2" diameter with 5/8" stud as on Baby-size pedestal.

WEIGHT: Head on base plate 6 1/2 pounds.

FINISH: Baked maroon enamel.

GLOBES: Double contact bayonet 120 Volt globes. See items 34, 35, 36, 37, 38, 39. Page 65.

ACCESSORIES See pages 36-37-38

Type 40445 2-Leaf Barn Door
Type 40445A 4-Leaf Barn Door
Type 40437A Diffuser Frame
Type 40438A Set 3 Snoots
Type 40447S Single Lamp Scrim
Type 40446S Half Single Lamp Scrim
Type 40447D Double Lamp Scrim
Type 40446D Half Double Lamp Scrim
Type 40451 Diffuser Changer
Type 500250 Baby Pedestal Double Head
Type 500216 Baby Pedestal Triple Head
Type 500141 Baby Wall Plate
Type 1201 C-Clamp
Type 500119 Adapter
Type 500190 Baby Trombone
Type 500179 Caster Post
Type 500144 Baby Pedestal Bracket
Type 500280 Baby Wall Sled

PEDESTALS See pages 26-27-28

Type 40651A Baby Size Standard
Type 1391 Baby Size Low
Type 1581 Baby Size Sky-Hi
Type 3281 Baby Size Standard Litewate
Type 1851 Baby Size Sky-Hi Litewate
Type 75 Comet Lamp Boom
Type 2751 Long Moleboom



TYPE 407 HEAD MOUNTED ON
TYPE 40651A PEDESTAL

SPECIFICATIONS

HEAD: (Type 407.)

Construction: Rugged, light, sheet steel with interlocking channels for ventilation.

Focusing: Easy-action rudder. Front and back.

Condenser: 6" Fresnel, 8° to 50° Divergence.

Mirror: Alzak Aluminum.

Socket: Medium Bipost.

Globes: (Not included in price.) 500 or 750 Watt.
See items 21, 22, 23, 26, 29. Page 65.

Cable: 25 feet rubber covered. When ordering specify stage or two-prong plug.

PEDESTAL: (Type 40651A.) See Page 28.

Low: 40 inches.

High: 100 inches (2 extensions).

Pedestal Top to Lens Center: 10½ inches.

WEIGHTS:

Head 11 pounds; Pedestal 16½ pounds; Total 27½ pounds.

FINISH: Baked maroon enamel.

BABY SOLARSPOT

FEATURES

Academy Award Winner

Condenser easy to remove

Unnecessary weight eliminated

Carriage prevents binding on slide rails

Sparkling color

Quick-acting door catch

Three diffuser holders are identical and replaceable

Front and back rudder-type focusing handles with finger-tip control (keyed to graduated spot-flood scale)

ACCESSORIES See pages 36-37-38

Type 40755	2-Leaf Barn Door
Type 40755A	4-Leaf Barn Door
Type 40748A	Diffuser Frame
Type 40747A	Set 3 Snoots
Type 40777S	Single Lamp Scrim
Type 40776S	Half Single Lamp Scrim
Type 40777D	Double Lamp Scrim
Type 40776D	Half Double Lamp Scrim
Type 500179	Caster Post
Type 505407	Shutter
Type 1881	Iris
Type 500141	Baby Wall Plate
Type 500144	Baby Pedestal Bracket
Type 40780	Diffuser Box
Type 407102	Diffuser Changer
Type 500250	Baby Pedestal Double Head
Type 500216	Baby Pedestal Triple Head
Type 1201	C-Clamp
Type 500119	Adapter
Type 500280	Baby Wall Sled
Type 500190	Baby Trombone
Type 40789	4-Blade Sliding Barn Door
Type 407B	Macbeth Filter

PEDESTAL SUBSTITUTIONS

See pages 26-27-28

Type 1391	Baby Size Low
Type 1581	Baby Size Sky-Hi
Type 3281	Baby Size Standard Litewate
Type 1851	Baby Size Sky-Hi Litewate
Type 75	Comet Lamp Boom
Type 2751	Long Moleboom



TYPE 751 HEAD MOUNTED ON
TYPE 40651A PEDESTAL

SPECIFICATIONS

HEAD: (Type 751.)

Construction: Rugged, light, sheet steel with interlocking channels for ventilation.

Focusing: Easy-action rudder. Front and back.

Condenser: 6" Fresnel, 8° to 50° Divergence.

Mirror: Alzak Aluminum.

Socket: Medium Bipost.

Globes: (Not included in price.) 500 or 750 Watt.
See items 21, 22, 23, 26, 29. Page 65.

Cable: 25 feet rubber covered. When ordering specify stage or two-prong plug.

PEDESTAL: (Type 40651A.) See Page 28.

Low: 40 inches.

High: 100 inches (2 extensions).

Pedestal Top to Lens Center: 10½ inches.

WEIGHTS:

Head 12 pounds; Pedestal 16½ pounds; Total 28½ pounds.

FINISH: Baked maroon enamel.

BABY COMBO

FEATURES

A combination of features all-in-one low price.

The rugged light-weight sheet steel construction of the Type 407 Baby Solarspot with its:

Non-binding carriage.

Front and back rudder-type focusing handles with finger-tip control (keyed to graduated spot-flood scale).

Sparkling color.

PLUS attached rotating barn doors (2- or 4-leaf)
Diffuser frame with spun glass.



If you desire 4-leaf barn doors installed on the lamp, specify on your order. See the price list for this substitution.

ACCESSORIES

See page 36-37-38

Type 75072A	Diffuser Frame (one with lamp)
Type 75071A	Set 3 Snoots
Type 75074S	Single Lamp Scrim
Type 75073S	Half Single Lamp Scrim
Type 75074D	Double Lamp Scrim
Type 75073D	Half Double Lamp Scrim
Type 500179	Caster Post
Type 505751	Shutter
Type 500141	Baby Wall Plate
Type 500144	Baby Pedestal Bracket
Type 75075	Diffuser Box
Type 500250	Baby Pedestal Double Head
Type 500216	Baby Pedestal Triple Head
Type 1201	C-Clamp
Type 500119	Adapter
Type 500280	Baby Wall Sled
Type 500190	Baby Trombone
Type 407B	Macbeth Filter

PEDESTAL SUBSTITUTIONS

See pages 26-27-28

Type 1391	Baby Size Low
Type 1581	Baby Size Sky-Hi
Type 3281	Baby Size Standard Litewate
Type 1851	Baby Size Sky-Hi Litewate
Type 75	Comet Lamp Boom
Type 2751	Long Moleboom



TYPE 412 HEAD MOUNTED ON
TYPE 410138 PEDESTAL

SPECIFICATIONS

HEAD: (Type 412).

Construction: Rugged, light, sheet steel with interlocking channels for ventilation.

Yoke: Removable pin for hanging.

Focusing: Easy-action rudder. Front and back.

Condenser: 9 $\frac{7}{8}$ " Fresnel, 10° to 54° Divergence.

Mirror: Alzak Aluminum.

Socket: Mogul Bipost.

Globes: (Not included in price.) 1000 or 2000 Watt. See items 6, 7, 8, 9, 10, 15. Page 65.

Cable: 25 feet rubber covered. When ordering specify stage or two-prong plug.

PEDESTAL: (Type 410138.) See Page 29.

Low: 43 inches.

High: 100 inches (2 extensions).

Pedestal Top to Lens Center: 14 $\frac{1}{2}$ inches.

WEIGHTS:

Head 29 pounds; Pedestal 25 pounds; Total 54 pounds.

FINISH: Baked maroon enamel.

JUNIOR SOLARSPOT

FEATURES

Academy Award Winner

Condenser easy to remove.

Unnecessary weight eliminated.

Carriage prevents binding on slide rails.

Sparkling color.

Quick-acting door catch.

Three diffuser holders are identical and replaceable.

Front and Back Rudder-type focusing handles with finger tip control (keyed to graduated spot-flood scale).

ACCESSORIES See pages 36-37-38

Type 41252 2-Leaf Barn Door
Type 41252A 4-Leaf Barn Door
Type 41245A Diffuser Frame
Type 41243A Set 3 Snoots
Type 41258S Single Lamp Scrim
Type 41257S Half Single Lamp Scrim
Type 41258D Double Lamp Scrim
Type 41257D Half Double Lamp Scrim
Type 507412 Shutter
Type 1871 Iris
Type 500114 Pedestal Extension
Type 500152 Junior Pedestal Bracket
Type 41262 Diffuser Box
Type 41281 Diffuser Changer
Type 500229 Set Wall Bracket
Type 1201 C-Clamp
Type 500165 Adapter
Type 500166 Adapter
Type 1671 Junior Extension Arm
Type 500191 Junior Wall Sled
Type 1731 Junior Trombone
Type 500305 Trapeze
Type 500288 Telescoping Hanger
Type 500287 Bazooka
Type 41265 4-Blade Sliding Barn Door
Type 1721 Junior Wall Plate
Type 412B Macbeth Filter
Type 1821 Globe Box

PEDESTAL SUBSTITUTIONS See Page 29

Type 1411 Junior Size Low
Type 1561 Junior Size Sky-Hi



TYPE 2001 HEAD MOUNTED ON
TYPE 410138 PEDESTAL

SPECIFICATIONS

HEAD: (Type 2001.)

Construction: Rugged, light, sheet steel with interlocking channels for ventilation.

Yoke: Removable pin for hanging.

Focusing: Easy-action rudder, front and back.

Condenser: 9 $\frac{7}{8}$ " Fresnel, 10° to 54° Divergence.

Mirror: Alzak Aluminum.

Socket: Mogul Bipost.

Globes: (Not included in price) 1000 or 2000 Watts. See items 6, 7, 8, 9, 10, 15. Page 65..

Cable: 25 feet rubber covered. When ordering specify stage or two-prong plug.

PEDESTAL: (Type 410138.) See Page 29.

Low: 43 inches.

High: 100 inches (2 extensions).

Pedestal Top to Lens Center: 14 $\frac{1}{2}$ inches.

WEIGHTS:

Head 31 pounds; Pedestal 25 pounds; Total 56 pounds.

FINISH: Baked maroon enamel.

JUNIOR COMBO

FEATURES

A combination of features
at an all-in-one low price.

The rugged light-weight sheet steel
construction of the

Type 412 Junior Solarspot with its:

Non-binding carriage.

Front and back rudder-type focusing handles
with finger-tip control (keyed to graduated
spot-flood scale).

Sparkling color.

PLUS attached rotating barn doors
(2- or 4-leaf) Diffuser frame with spun glass.



If you desire 4-leaf barn doors
(pictured at right) installed on the
lamp, specify on your order. See
the price list for this substitution.

ACCESSORIES See pages 36-37-38

Type 200053A Diffuser Frame (one with lamp)

Type 200052A Set 3 Snoots

Type 200055S Single Lamp Scrim

Type 200054S Half Single Lamp Scrim

Type 200055D Double Lamp Scrim

Type 200054D Half Double Lamp Scrim

Type 5072001 Shutter

Type 500114 Pedestal Extension

Type 500152 Junior Pedestal Bracket

Type 200056 Diffuser Box

Type 500229 Set Wall Bracket

Type 500191 Junior Wall Sled

Type 1201 C-Clamp

Type 500165 Adapter

Type 500166 Adapter

Type 1671 Junior Extension Arm

Type 1731 Junior Trombone

Type 500305 Trapeze

Type 500288 Telescoping Hanger

Type 1721 Junior Wall Plate

Type 412B Macbeth Filter

Type 1821 Globe Box

Type 500287 Bazooka

PEDESTAL SUBSTITUTIONS See Page 29.

Type 1411 Junior Size Low

Type 1561 Junior Size Sky-Hi



TYPE 415 HEAD
MOUNTED ON
TYPE 41494 PEDESTAL

SPECIFICATIONS

HEAD: (Type 415.)

Construction: Rugged, light, sheet steel with interlocking channels for ventilation.

Yoke: Removable pin for hanging.

Focusing: Easy-action rudder. Front and back.

Condenser: 14" Fresnel, 10° to 50° Divergence.

Mirror: Alzak Aluminum.

Socket: Mogul Bipost.

Globes: (Not included in price.) 5000 Watt. See items 2, 3, 4, 5. Page 65.

Cable: 25 feet with Type 100A stage plug. Attaches with pin plugs.

PEDESTAL: (Type 41494.) See Page 29.

Low: 43 inches.

High: 100 inches (2 extensions).

Pedestal Top to Lens Center: 20½ inches.

WEIGHTS:

Head: 54½ pounds; Cable 9½ pounds; Pedestal 37 pounds; Total 101 pounds.

FINISH: Baked maroon enamel.

SENIOR SOLARSPOT

FEATURES

Academy Award Winner

Condenser easy to remove

Unnecessary weight eliminated

Carriage prevents binding on slide rails

Sparkling color

Detached Cable

Quick-acting door catch

Three diffuser holders are identical and replaceable

Front and back rudder-type focusing handles with finger tip control (keyed to graduated spot-flood scale).

Pedestal struts easily disengaged for folding.

ACCESSORIES See pages 36-37-38

Type 41560 2-Leaf Barn Door

Type 41560A 4-Leaf Barn Door

Type 41548A Diffuser Frame

Type 41549A Set 3 Snoots

Type 41563S Single Lamp Scrim

Type 41562S Half Single Lamp Scrim

Type 41563D Double Lamp Scrim

Type 41562D Half Double Lamp Scrim

Type 514 Shutter

Type 1861 Iris

Type 500114 Pedestal Extension

Type 41569 Diffuser Box

Type 1921 5000 to 2000 Watt Adapter

Type 500229 Set Wall Bracket

Type 1201 C-Clamp

Type 500165 Adapter

Type 500182 Adapter

Type 41572 4-Blade Sliding Barn Door

Type 415B Macbeth Filter

Type 1831 Globe Box

Type 500300 Senior Wall Sled

Type 500287 Bazooka

Type 500288 Telescoping Hanger

PEDESTAL SUBSTITUTIONS See Page 29.

Type 1411 Senior Size Low

Type 1571 Senior Size Sky-Hi



TYPE 416 HEAD MOUNTED ON
TYPE 41494 PEDESTAL

SPECIFICATIONS

HEAD: (Type 416.)

Construction: Rugged, light, sheet steel with interlocking channels for ventilation.

Focusing: By handles front and back.

Condenser: 20" Fresnel, 15° to 40° Divergence.

Mirror: Alzak Aluminum—completely adjustable.

Socket: Mogul Bipost.

Switch: 100 Amp., quick-make, quick-break.

Globe: 10,000 Watt (not included in price). See item 1, Page 65.

Cable: 25 feet with Type 100A stage plug—attaches with pin plugs.

PEDESTAL: (Type 41494.) See Page 29.

Low: 43 inches.

High: 100 inches (2 extensions).

Pedestal Top to Lens Center: 24 inches.

WEIGHTS:

Head 117 pounds; Cable 16 pounds; Pedestal 37 pounds; Total 170 pounds.

FINISH: Baked maroon enamel.

TENER SOLARSPOT

FEATURES

The ultimate in incandescent illumination.

Quick, easy focusing.

Condenser in separate frame

— easily removable

Carrying handles incorporated in yoke.

Detached cable.

Front and back focusing handles

keyed to spot-flood scale.

Three diffuser holders are identical and replaceable.

Pedestal struts easily disengaged for folding.

ACCESSORIES See pages 36-37-38

Type 41616 2-Leaf Barn Door

Type 41616A 4-Leaf Barn Door

Type 41699A Diffuser Frame

Type 416101S Single Lamp Scrim

Type 416100S Half Single Lamp Scrim

Type 416101D Double Lamp Scrim

Type 416100D Half Double Lamp Scrim

Type 513 Shutter

Type 1201 C-Clamp

Type 500165 Adapter

Type 500182 Adapter

Type 500287 Bazooka

Type 1841 Globe Box

Type 416B Macbeth Filter

PEDESTAL SUBSTITUTIONS

For crank-operated, mechanical extension, use
Type 4504 (See Page 58)

For power-driven extension, use Type 325
(See Page 30)

For Low Position, Use Type 1411
Senior Size Low (See Page 29)



TYPE 1000 HEAD MOUNTED ON
TYPE 40651A PEDESTAL

SPECIFICATIONS

HEAD: (Type 1000.)

Construction: Spun aluminum dome.

Tilting: Elevation and depression controlled by clamp.

Reflector: Anodized, 17-inch opening.

Socket: Mogul screw.

Globes: (Not included in price.) 500 to 1500 Watts. See items 11, 12, 13, 14, 16, 17, 18, 19, 24, 25, 27, 28, Page 65.

Cable: 25 feet rubber covered. When ordering specify stage or two-prong plug.

PEDESTAL: (Type 40651A.) See Page 28.

Low: 40 inches.

High: 100 inches (2 extensions).

Pedestal Top to Light Center: 15½ inches.

WEIGHTS:

Head 13 pounds; Pedestal 16½ pounds; Total 29½ pounds.

FINISH: Baked maroon enamel.

BELL LAMP

FEATURES

Ideal for overhead — 270° swing

Zephyr-light, hard-tempered aluminum construction

Soft, diffused illumination from anodized reflector

Wide-angle beam for fill or back-light

Designed for use with PS-52 globes to afford range of wattages with long life

Diffuser frame with spun glass included in price



TELEVISION SCOOP

TYPE 1000 HEAD SUPPORTED BY
1201 C-CLAMP AND 500119 ADAPTER

ACCESSORIES See pages 36-37-38

Type 100016A	Diffuser Frame (one with lamp)
Type 100025S	Single Lamp Scrim
Type 100026S	Half Single Lamp Scrim
Type 100025	Double Lamp Scrim
Type 100026D	Half Double Lamp Scrim
Type 500179	Caster Post
Type 500141	Baby Wall Plate
Type 500144	Baby Pedestal Bracket
Type 500250	Baby Pedestal Double Head
Type 500216	Baby Pedestal Triple Head
Type 1201	C-Clamp
Type 500119	Adapter
Type 500190	Baby Trombone
Type 500280	Baby Wall Sled

PEDESTAL SUBSTITUTIONS

See pages 26-27-28

Type 1391	Baby Size Low
Type 1581	Baby Size Sky-Hi
Type 3281	Baby Size Standard Litewate
Type 1851	Baby Size Sky-Hi Litewate
Type 75	Comet Lamp Boom
Type 2751	Long Moleboom



TYPE 16 HEAD MOUNTED ON
TYPE 40651A PEDESTAL

SPECIFICATIONS

HEAD: (Type 16.)

Construction: Spun aluminum dome.

Tilting: Elevation and depression controlled by clamp.

Reflector: Anodized, 17-inch opening.

Socket: Mogul screw.

Globes: (Not included in price.) 500 or 1000 Watt. See items 14, 19, 27, 28, 30. Page 65.

Cable: 25 feet rubber covered. When ordering specify stage or two-prong plug.

PEDESTAL: (Type 40651A.) See Page 28.

Low: 40 inches.

High: 100 inches (2 extensions).

Pedestal Top to Light Center: 15½ inches.

WEIGHTS: Head 9 pounds; Pedestal 16½ pounds; Total 25½ pounds.

FINISH: Baked maroon enamel.

CINELITE

FEATURES

Light-Weight

Thru-cord switch in cable

Especially designed for portability

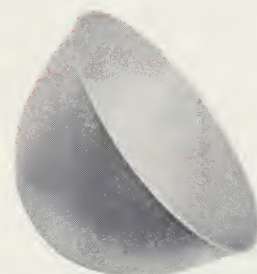
Domes nest for carrying

Head disassembles into following components for transportation

COMPONENTS



SOCKET AND CABLE



DOMES

ACCESSORIES See pages 36-37-38

- Type 1622 Diffuser Frame
- Type 1623S Single Lamp Scrim
- Type 1624S Half Single Lamp Scrim
- Type 1623D Double Lamp Scrim
- Type 1624D Half Double Lamp Scrim
- Type 500179 Caster Post
- Type 500141 Baby Wall Plate
- Type 500144 Baby Pedestal Bracket
- Type 500250 Baby Pedestal Double Head
- Type 500216 Baby Pedestal Triple Head
- Type 1201 C-Clamp
- Type 500119 Adapter
- Type 500190 Baby Trombone
- Type 500280 Baby Wall Sled

PEDESTAL SUBSTITUTIONS See pages 26-27-28

- Type 1391 Baby Size Low
- Type 1581 Baby Size Sky-Hi
- Type 3281 Baby Size Standard Litewate
- Type 1851 Baby Size Sky-Hi Litewate
- Type 75 Comet Lamp Boom
- Type 2751 Long Moleboom



TYPE 22 HEAD MOUNTED ON
TYPE 40651A PEDESTAL
(SHOWS BARN DOORS
AND DIFFUSER HOLDER
ACCESSORIES
MOUNTED ON LAMP)

SPECIFICATIONS

HEAD: (Type 22.)

Construction: Sheet steel.

Reflector: Baked Aluminum Finish.

Aperture: 9 inches x 11 inches.

Socket: Mogul screw (or medium Bipost upon request).

Globes: (Not included in price.) 500 to 1500 Watts. See items 11, 12, 13, 14, 16, 17, 18, 19, 24, 25, 27, 28 Mogul. See items 21, 22, 26, 29 Medium Bipost. Page 65.

Cable: 25 feet rubber covered. When ordering specify stage or two-prong plug.

PEDESTAL: (Type 40651A.) See Page 28.

Low: 40 inches.

High: 100 inches (2 extensions).

Pedestal Top to Light Center: 16 inches.

WEIGHTS:

Head 10 pounds; Pedestal 16½ pounds Total 26½ pounds.

FINISH: Baked maroon enamel.

SINGLE BROAD

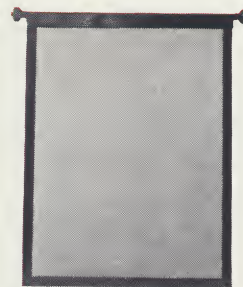
FEATURES

Designed for use with PS-52 globes to afford wide range of wattages with long life.

Sparkling color.

Head supported on U-shaped yoke.

Provision for barn doors and diffuser holders.



GLASS FRAME

The frame pictured at the right, in which are four pieces of glass, is a part of the equipment and included in the price. The outside dimensions are 10 inches wide and 13 inches high. It is held on the lamp in a slot provided for that purpose.

ACCESSORIES See pages 36-37-38

- Type 2128 Diffuser Holders (Pair)
- Type 229 2-Door Barn Door
- Type 2226 Diffuser Frame (Requires Holders)
- Type 2230S Single Lamp Scrim (Requires Holders)
- Type 2229S Half Single Lamp Scrim (Requires Hldrs.)
- Type 2230D Double Lamp Scrim (Requires Holders)
- Type 2229D Half Double Lamp Scrim (Req. Hldrs.)
- Type 2231S Single Silk (Requires Holders)
- Type 2231D Double Silk (Requires Holders)
- Type 500179 Caster Post
- Type 500141 Baby Wall Plate
- Type 500144 Baby Pedestal Bracket
- Type 500250 Baby Pedestal Double Head
- Type 500216 Baby Pedestal Triple Head
- Type 1201 C-Clamp
- Type 500119 Adapter
- Type 500190 Baby Trombone
- Type 500280 Baby Wall Sled

PEDESTAL SUBSTITUTIONS See pages 26-27-28

- Type 1391 Baby Size Low
- Type 1581 Baby Size Sky-Hi
- Type 3281 Baby Size Standard Litewate
- Type 1851 Baby Size Sky-Hi Litewate
- Type 75 Comet Lamp Boom
- Type 2751 Long Moleboom



TYPE 23 HEAD MOUNTED ON
TYPE 40651A PEDESTAL

SPECIFICATIONS

HEAD: (Type 23.)

Construction: Sheet steel.

Reflector: Baked Aluminum Finish.

Aperture: 20 inches x 12 inches.

Sockets: Two Mogul screw.

Switches: Two 30-Ampere.

Globes: (Not included in price.) 500 to 1500 Watts. See items 11, 12, 13, 14, 16, 17, 18, 19, 24, 25, 27, 28. Page 65.

Cable: 25 feet rubber covered. When ordering specify stage or two-prong plug.

PEDESTAL: (Type 40651A.) See Page 28.

Low: 40 inches.

High: 100 inches (2 extensions).

Pedestal Top to Light Center: 16 inches.

WEIGHTS:

Head 27 pounds; Pedestal 16½ pounds; Total 43½ pounds.

FINISH: Baked maroon enamel.

DOUBLE BROAD

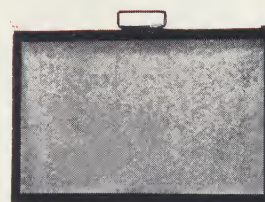
FEATURES

Head supported on U-shaped yoke.

Sparkling color.

Switches mounted on plate for easy servicing

Designed for maximum wide fill light coverage using two 1500 watt globes.



GLASS FRAME

The Frame pictured at the right, in which are mounted five strips of Factra-lite glass, is a part of the equipment and included in the price. The outside dimensions are 20½ inches wide and 13¾ inches high. A handle is provided for ease in installing or removing the frame from its slot on the front of the lamp.

ACCESSORIES See pages 36-37-38

Type 2022 Diffuser Holders (Pair)

Type 2320 Diffuser Frame (Requires Holders)

Type 2324S Single Lamp Scrim (Requires Holders)

Type 2325S Half Single Lamp Scrim (Requires Hldrs.)

Type 2324D Double Lamp Scrim (Requires Holders)

Type 2325D Half Double Lamp Scrim (Req. Hldrs.)

Type 2323S Single Silk (Requires Holders)

Type 2323D Double Silk (Requires Holders)

Type 500179 Caster Post

Type 500141 Baby Wall Plate

Type 500144 Baby Pedestal Bracket

Type 1201 C-Clamp

Type 500119 Adapter

Type 500190 Baby Trombone

Type 500280 Baby Wall Sled

PEDESTAL SUBSTITUTIONS See Page 28

Type 1391 Baby Size Low

Type 3281 Baby Size Standard Litewate



TYPE 245 SKYLITE MOUNTED
ON TYPE 410138 PEDESTAL

SPECIFICATIONS

HEAD: (Type 245.)

Construction: Spun steel back.

Yoke: Removable pin for hanging.

Reflector: 27½ inches diameter, Baked Aluminum finish.

Socket: Mogul Bipost.

Switch: Toggle protrudes through back.

Globes: (Not included in price.) 5000 Watt. See items 2, 3, 4, 5, Page 65.

Cable: 25 feet Rubber covered with Type 100A stage plug.

PEDESTAL: (Type 410138.) See Page 29.

Low: 43 inches.

High: 100 inches (2 extensions).

Pedestal Top to Light Center: 20 inches.

WEIGHTS:

Head 28½ pounds; Pedestal 25 pounds; Total 53½ pounds.

FINISH:

Baked maroon enamel.

SKYLITE

FEATURES

Provides 5000-Watt illumination over a broad area.
Especially suitable for lighting backings.



TYPE 245 SKYLITE HANGING
FROM 500165 ADAPTER AND 1201 C-CLAMP
WITH 24515 DIFFUSER HOLDER AND
450481A DIFFUSER FRAME.



Type 246 SKYLITE

Reflector: 42 inches diameter

Globe: 10,000 Watt (see
item 1, Page 65).

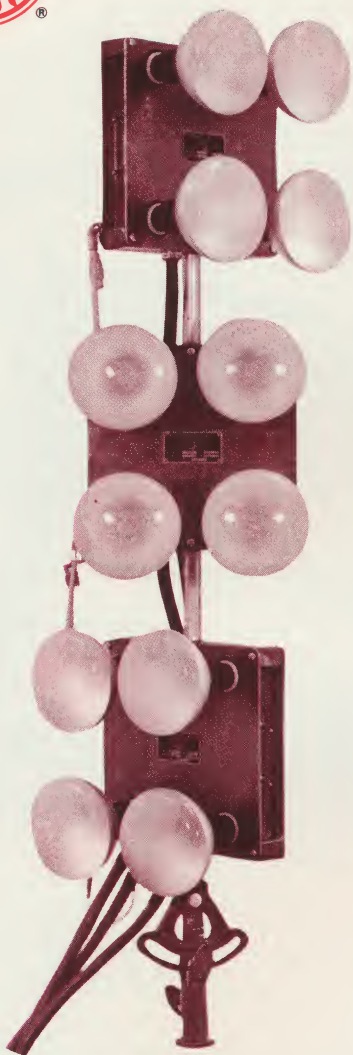
Weight: Head 42½ pounds
Cable 16 pounds

ACCESSORIES See pages 36-37-38

- Type 450260 2-Leaf Barn Door (Requires Holder)
- Type 450267 4-Leaf Barn Door (Requires Holder)
- Type 450481A Diffuser Frame (Requires Holder)
- Type 450511S Single Lamp Scrim (Requires Hldr.)
- Type 450512S Half Single Lamp Scrim (Req. Hldr.)
- Type 450511D Double Lamp Scrim (Requires Hldr.)
- Type 450512D Half Double Lamp Scrim (Req. Hldr.)
- Type 24515 Skylite Diffuser Holder
- Type 500114 Pedestal Extension
- Type 1921 5000 to 2000 Watt Adapter
- Type 500229 Set Wall Bracket
- Type 1201 C-Clamp
- Type 500165 Adapter
- Type 500166 Adapter
- Type 1671 Junior Extension Arm
- Type 1721 Junior Wall Plate
- Type 1831 Globe Box
- Type 500305 Trapeze
- Type 500288 Telescoping Hanger
- Type 500191 Junior Wall Sled
- Type 500287 Bazooka

PEDESTAL SUBSTITUTIONS See Page 29.

- Type 1411 Senior Size Low
- Type 1571 Senior Size Sky-Hi



THREE TYPE 550 QUADLITES ON TYPE 55014 QUADRANT AND TYPE 55018 STACKING SPUDS.



TYPE 550 QUADLITE WITH TYPE 55030 QUADLITE HOOD ON TYPE 55014 QUADRANT MOUNTED ON TYPE 40651A PEDESTAL

SPECIFICATIONS

Construction: Aluminum casting and sheet

Switches: Two on each side.

Socket: Porcelain medium screw (four).

Globes: (Not included in price) Reflector Types recommended, to a total of no more than 2000 watts per Quadlite.

Cable: 25 feet rubber covered. In ordering specify Stage or 2-prong plug.

Finish: Natural aluminum.

Weight: Quadlite with cable 10 pounds, Quadrant 3 1/4 pounds, Stacking Spud 1 pound.

Size: Face 10" square, 2" thick.

FEATURES

Small size permits use in cramped space. May be swiveled in any direction, or tilted on quadrant. Globes individually controlled by switches. 5/8" bore on top and bottom for stacking and mounting. May be mounted on quadrant or any 5/8" spud such as:

- Type 40651A Baby Standard Pedestal
- Type 1391 Baby Low Pedestal
- Type 500216 Baby Pedestal Triple Head
- Type 500250 Baby Pedestal Double Head
- Type 500179 Caster Post
- Type 500141 Baby Wall Plate
- Type 500144 Baby Pedestal Bracket
- Type 500119 Adapter
- Type 500190 Baby Trombone
- Type 500280 Baby Wall Sled

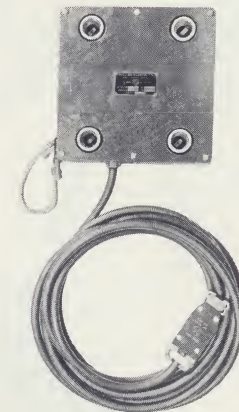
ACCESSORIES

- Type 55030 Quadlite Hood
- Type 55040 Diffuser Frame

QUADLITE

COMPONENTS

may be purchased individually or in any desired combination.



QUADLITE Type 550



Quadlite Hood Type 55030
Diffuser Frame Type 55040



STACKING SPUD Type 55018
Used between Quadlites to stack one on another.

QUADRANT Type 55014
Mounted between 5/8 in. spud and Quadlite if tilting is desired.



FIVE-LIGHT OVERHEAD STRIP



TYPE 1431 OVERHEAD STRIP

SPECIFICATIONS

Construction: Sheet steel.

Yoke: Locking Knob for clamping, equipped with three eyebolts for hanging.

Reflector: Baked aluminum finish.

Aperture: 49 inches x 12 1/2 inches.

Sockets: Five porcelain mogul screw.

Switch: None.

Globes: (Not included in price) 500 to 1000 Watts.
See items 14, 16, 17, 18, 19, 24, 25, 27, 28. Page 65.

Cable: 25 feet with Type 100A Stage Plug. Furnished separate from lamp for attachment with pin plugs.

Weights: Head 35 pounds; Cable 11 pounds; Total 46 pounds.
Diffuser frame: 4 pounds.

Finish: Baked maroon enamel.

FEATURES

Designed to furnish a wide spread of smooth illumination.

Three eyebolts for hanging.

Well ventilated.

Simplicity of design means minimum weight.

Separate cable makes rigging easier.

ACCESSORY

The Diffuser Frame pictured below is two-piece and hinged for easy insertion of diffusion material. Cross wires provide support for the material. A channel on the lamp front holds the Diffuser Frame.



TYPE 1436 DIFFUSER FRAME



SIX-LIGHT OVERHEAD CLUSTER

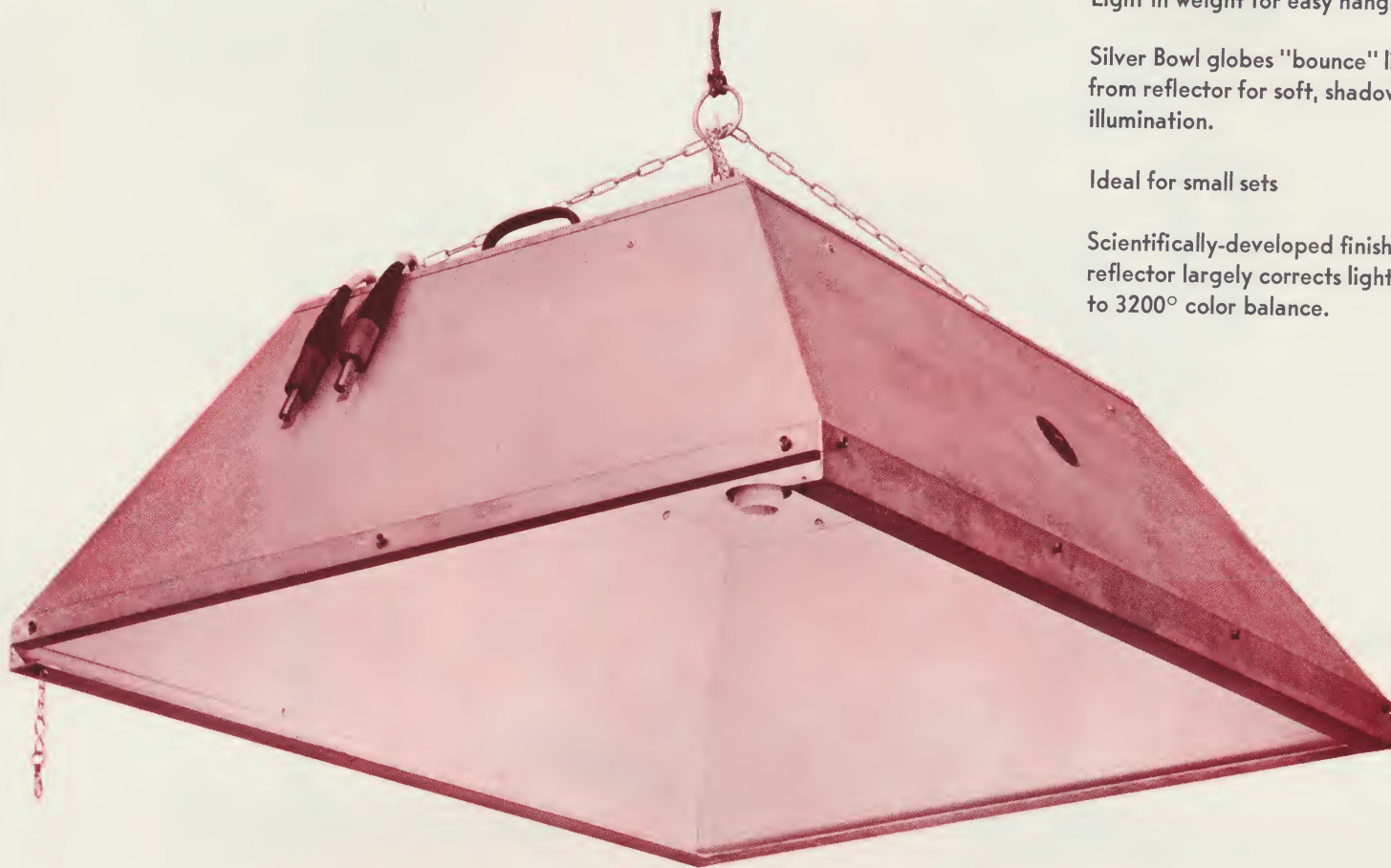
FEATURES

Light in weight for easy hanging.

Silver Bowl globes "bounce" light from reflector for soft, shadowless illumination.

Ideal for small sets

Scientifically-developed finish on reflector largely corrects light to 3200° color balance.



TYPE 2011 OVERHEAD CLUSTER

SPECIFICATIONS

Construction: Aluminum.

Hanger: Chain to four corners.

Reflector: Finished in color-corrected paint.

Aperture: 44 inches x 33½ inches.

Sockets: Six porcelain mogul screw.

Switch: Two.

Globes: (Not included in price) 1000 watts.
See item 20. Page 65.

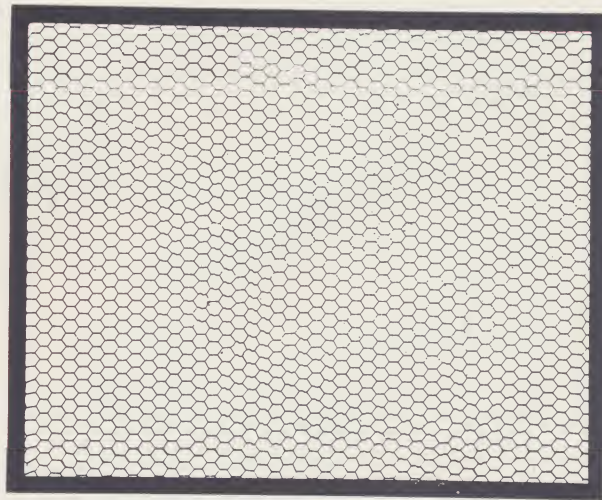
Cable: 25 feet with type 100A stage plug, furnished separate from lamp for attachment with pin plugs.

Weights: Head 28 pounds; Cable 11 pounds; Total 39 pounds.

Finish: Natural aluminum.

ACCESSORY

A single frame covered with chicken wire for protection from falling glass. May also be used for attachment of diffusing materials when desired. Weight: 6 pounds.



TYPE 20111 WIRE SCREEN



TYPE 2211 HEAD MOUNTED ON
TYPE 40651A PEDESTAL

SPECIFICATIONS

HEAD: (Type 2211.)

Construction: Sheet steel.

Reflector: White diffusing paint.

Aperture: 18 inches.

Socket: Medium bipost.

Globes: (Not included in price) 500 or 750 watt. See items 21, 22, 23, 26, 29. Page 65.

Cable: 25 feet. When ordering specify stage or two-prong plug.

Switch: Thru-cord type in cable.

PEDESTAL: (Type 40651A) See Page 28.

Low: 40 inches.

High: 100 inches (2 extensions).

Pedestal Top to Light Center: 13 inches.

WEIGHTS:

Head 19 pounds; Pedestal 16½ pounds; Total 35½ pounds.

FINISH:

Baked maroon enamel.

CONELITES



TYPE 2221 HEAD MOUNTED ON
TYPE 410138 PEDESTAL

SPECIFICATIONS

HEAD: (Type 2221.)

Construction: Sheet steel.

Reflector: White diffusing paint.

Yoke: Removable pin for hanging.

Aperture: 24 inches.

Socket: Mogul bipost.

Globes: (Not included in price) 1000 or 2000 watt. See items 6, 7, 8, 9, 10, 15. Page 65.

Cable: 25 feet. When ordering specify stage or two-prong plug.

PEDESTAL: (Type 410138) See Page 29.

Low: 43 inches.

High: 100 inches (2 extensions).

Pedestal Top to Light Center: 17 inches.

WEIGHTS:

Head 32 pounds; Pedestal 25 pounds; Total 57 pounds.

FINISH:

Baked maroon enamel.



TYPE 2231 HEAD MOUNTED ON
TYPE 41494 PEDESTAL

SPECIFICATIONS

HEAD: (Type 2231.)

Construction: Sheet steel.

Reflector: White diffusing paint.

Yoke: Removable pin for hanging.

Aperture: 36 inches.

Socket: Mogul bipost.

Globes: (Not included in price) 5000 watt. See items 2, 3, 4, 5
Page 65

Cable: 25 feet with type 100A stage plug.

PEDESTAL: (Type 41494) See Page 29..

Low: 43 inches.

High: 100 inches (2 extensions).

Pedestal Top to Light Center: 25 inches.

WEIGHTS:

Head 68 pounds; Pedestal 37 pounds; Total 105 pounds.

FINISH:

Baked Maroon enamel.

CONELITES

FEATURES

Furnishes a wide spread of soft-toned illumination.

Especially usable for "fill" light.

Shield in front of globe reflects to cone and
diffuses light; swings away for easy globe insertion.

ACCESSORIES

Kind	Type 2211 Conelite	Type 2221 Conelite	Type 2231 Conelite	Page
Diffuser Frame	Type 41699A	Type 22220	Type 22320	36
Single Lamp Scrim	Type 416101S			36
Half Single Lamp Scrim	Type 416100S			36
Double Lamp Scrim	Type 416101D			36
Half Double Lamp Scrim	Type 416100D			36
C-Clamp	Type 1201	Type 1201	Type 1201	38
Adapter	Type 500119	Types 500165 500166	Types 500165 500182	38

PEDESTAL SUBSTITUTIONS

Kind	Type 2211 Conelite	Type 2221 Conelite	Type 2231 Conelite
Low	Type 1391	Type 1411	Type 1411
Sky-Hi	Type 1581	Type 1561	Type 1571
	Page 28	Page 29	Page 29



COMET LAMP BOOM

TYPE 75 COMET LAMP BOOM



FOLDED FOR STORAGE
OR TRANSPORTATION



SPECIFICATIONS

Pedestal Height:

Retracted—5 feet 3 inches.
Extended—8 feet 10 inches.

Boom Arm Length: (Over All)

Retracted—5 feet 4 inches.
Extended—8 feet 1 inch
Boom Reach: (Center of pedestal to lamp).
Adjustable from 40 to 63 inches with

Type 407 Head and Boom counterweight in balance.

Lamp Mounting: Spud hung in rubber-insulated U-shaped yoke for positioning at any angle.

Casters: Locking, 4-inch rubber-tired, ball-bearing.

Finish: Arm castings and pedestal—baked maroon enamel.
Arm tubes—satin-finish chrome.

Weight: 67 pounds.

Designed for Support of:

Type 2351 Midget	Type 1000 Bell Lamp
Type 2801 Mini-Mole	Type 16 Cinelite
Type 407 Baby Solarspot	Type 22 Single Broad
Type 751 Baby Combo	Type 550 Quadlite

FEATURES

Boom arm may be horizontally rotated 360° on stationary base locked at any elevated position with riser.

Folding legs.

Boom arm folds flat to upright.

Large locking casters.

Boom arm adjustable horizontally.

Boom has air brake in upright.

Brake drum control at balance point.

Can be balanced in any position.



LONG MOLEBOOM



TYPE 2751 LONG MOLEBOOM
WITH TYPE 407 BABY SOLARSPOT

SPECIFICATIONS

Pedestal Height

Retracted—5 feet 3 inches.
Extended—8 feet 10 inches.

Boom Arm Length (Overall)

Retracted—12 feet 6 inches.
Extended—15 feet 3 inches.

Boom Reach (center of pedestal to lamp):

Adjustable from 85 to 108 inches with
Type 407 Head and Boom counterweight
in balance.

Weight: 92 pounds.

Lamp Mounting—Casters—Finish:
Same as Type 75 Boom Stand.

Designed for Support of:

Type 2351 Midget
Type 2801 Mini-Mole
Type 407 Baby Solarspot
Type 751 Baby Combo
Type 1000 Bell Lamp
Type 16 Cinelite
Type 22 Single Broad

FEATURES

The NEW Lamp Boom incorporates
all features of the proven Type 75
Boom Stand PLUS:

Ability to place light source overhead
and at greater distance from pedestal than
with Type 75 Comet.

Moleboom very effective on ceilinged
sets where hangers would get into
the picture.

Pedestal struts easily removed.



FOLDING PEDESTALS

BABY SIZE

SPECIFICATIONS

Construction: U-shaped legs of flat steel

Extensions:

Type 40651A Standard — Two
Type 1391 Low — One
Type 1581 Sky-Hi — Four

Measurements:

	Type 40651A	Type 1391	Type 1581
Low.....	40 inches	20 inches	46 inches
High.....	100 inches	33 inches	162 inches

Weights:

Type 40651A Standard — 16½ pounds.
Type 1391 Low — 11½ pounds.
Type 1581 Sky-Hi — 30 pounds.

Casters: Rubber-tired, ball-bearing, swivel.
Types 40651A and 1391 — 3-inch.
Type 1581 — 4-inch.

Finish: Baked maroon enamel.

TYPE 40651A
STANDARD

TYPE 1391
LOW

TYPE 1581
SKY-HI

LITEWATE BABY SIZE

SPECIFICATIONS

Construction: All aluminum.

Extensions:

Type 3281 Standard — One
Type 1851 Sky-Hi — Two

Measurements:

	Type 3281	Type 1851
Low.....	50 inches	59 inches
High.....	81 inches	148 inches
Folded.....	45½ inches	53 inches

Weights:

Type 3281 Standard — 3¾ pounds.
Type 1851 Sky-Hi — 5 pounds.

Finish: Natural aluminum

TYPE 3281
STANDARD
SET-UP AND FOLDED

TYPE 1851
SKY-HI



FOLDING PEDESTALS

JUNIOR SIZE

SPECIFICATIONS

Construction: U-shaped legs of flat steel

Extensions:

Type 410138 Standard — Two.

Type 1411 Low — One.

Type 1561 Sky-Hi — Three.

Measurements:

	Type 410138	Type 1411	Type 1561
Low	43 inches	22 inches	47 inches
High	100 inches	32 inches	137 inches

Weights:

Type 410138 Standard — 25 pounds.

Type 1411 Low — 19½ pounds.

Type 1561 Sky-Hi — 29 pounds.

Casters: Rubber-tired, ball-bearing, swivel, 4-inch.

Finish: Baked maroon enamel.

TYPE 410138
STANDARD



TYPE 1411
LOW



TYPE 1561
SKY-HI



SENIOR SIZE

SPECIFICATIONS

Construction:

U-shaped legs of flat steel. Braces easily removed without wrench.

Extensions:

Type 41494 Standard — Two.

Type 1411 Low — One.

Type 1571 Sky-Hi — Three.

Measurements:

	Type 41494	Type 1411	Type 1571
Low	43 inches	22 inches	47 inches
High	100 inches	32 inches	137 inches

Weights:

Type 41494 Standard — 37 pounds.

Type 1411 Low — 19½ pounds.

Type 1571 Sky-Hi — 43 pounds.

Casters: Rubber-tired, ball-bearing, swivel, 4-inch.

Finish: Baked maroon enamel.

TYPE 41494
STANDARD



TYPE 1411
LOW

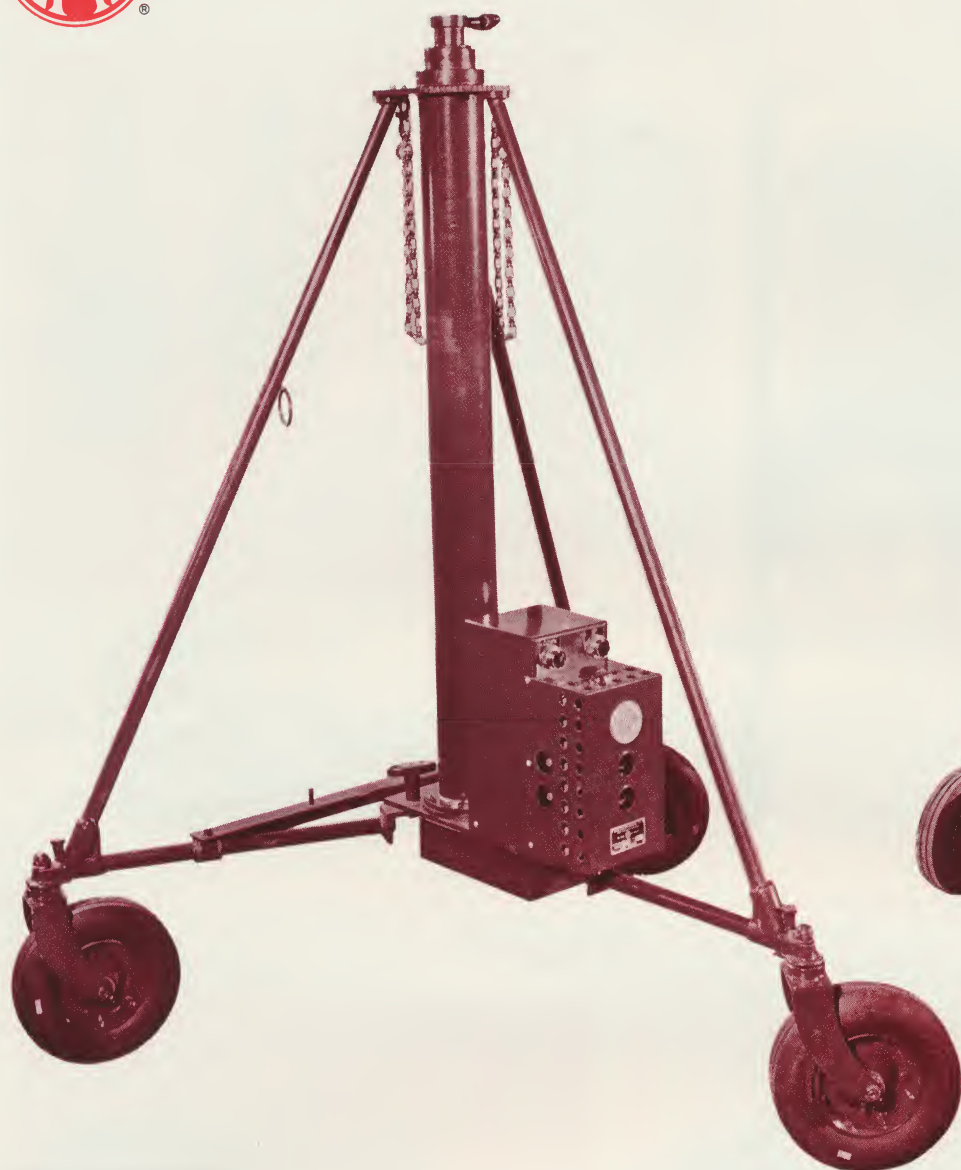


TYPE 1571
SKY-HI





MOLEVATOR



TYPE 325 MOLEVATOR



FOLDED FOR STORAGE OR TRANSPORTATION

SPECIFICATIONS

Construction: Steel and bronze.

Electric Motor: Operates on 120 Volts A.C. or D.C.; 10 Amperes.

Actuation: Mechanical jack screw; push buttons up and down.

Cable: 15-foot pair from pedestal to lamp.

Casters: Ball-bearing, swivel, 10" x 2 3/4" zero-pressure, rubber tires.

Time: 21 seconds to full elevation.

Height: Pedestal only—Low 5 feet 1 inch.
High 11 feet 1 inch.

Weight: 214 pounds.

Finish: Baked maroon enamel.

FEATURES

A power-driven pedestal for large lamps

Ideal for Types 40, 90, 170, and 450 Molarcs and Type 416 Tener

Maximum load carrying capacity 250 pounds

Mechanical jack screw provides positive support

Stops immediately upon release of up or down button

Slip clutch protects mechanism at travel limits

Power to junction box supplies both motor and lamp through pin plug connections

Casters lock in extended position for stability

Folds for storage or transportation — no tools necessary



DESERT DOLLY

FEATURES

Quick clamping action at three points.

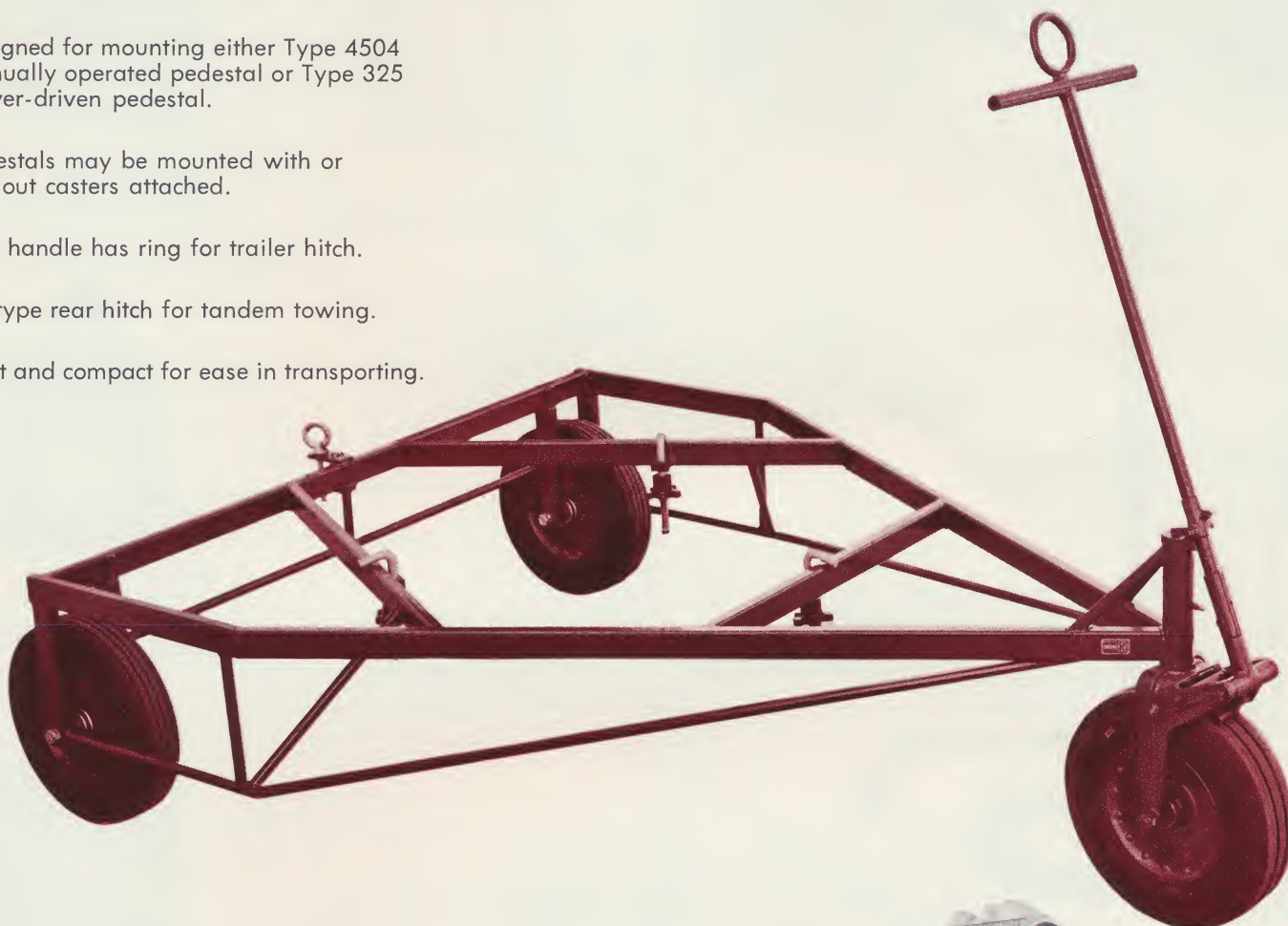
Designed for mounting either Type 4504 manually operated pedestal or Type 325 power-driven pedestal.

Pedestals may be mounted with or without casters attached.

Tow handle has ring for trailer hitch.

Pin type rear hitch for tandem towing.

Light and compact for ease in transporting.



TYPE 3291 DESERT DOLLY

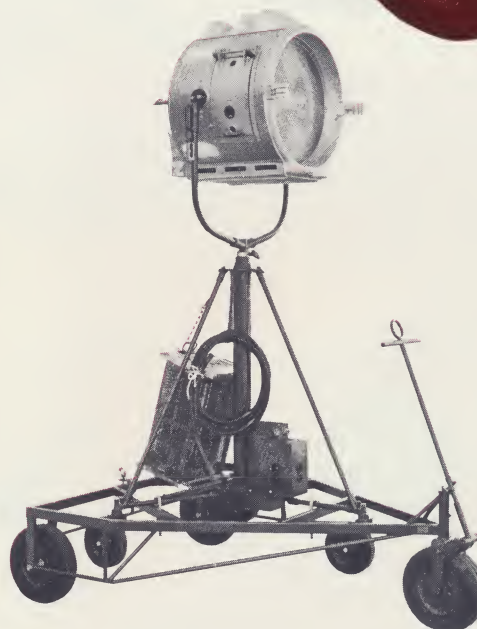
SPECIFICATIONS

CONSTRUCTION: Rectangular and round steel tubing with bronze front fork.
4:00 x 16 zero pressure tires.

MEASUREMENTS: Bed height: 1 ft. 7½ in.
Length of frame: 7 ft. 5 in.
Width of frame: 5 ft. 3 in.

WEIGHT: 195 pounds.

FINISH: Baked maroon enamel.



TYPE 450 MOLARC MOUNTED ON
TYPE 325 MOLEVATOR CLAMPED
TO TYPE 3291 DESERT DOLLY



MOLENSER



TYPE 2251 MOLENSER WITH
TYPE 2252 DIFFUSER CHANGER
MOUNTED ON
TYPE 410138 PEDESTAL

SPECIFICATIONS

HEAD: (Type 2251.)

Construction: Sheet steel.

Focusing: Handle on side.

Lenses: 2 stationary, 1 focusing.

Mirror: Alzak aluminum.

Socket: Mogul bipost.

Switch: Mounted on side.

Globes: (Not included in price) 1000 or 2000 watts. See items 6, 7, 8, 9, 10, 15. Page 65.

Length: 39 inches.

Douser: Mounted in lamp.

Diffuser Clips: On front.

Cable: 25 feet. When ordering specify stage or two-prong plug.

PEDESTAL: (Type 410138) See Page 29.

Low: 43 inches.

High: 100 inches (2 extensions).

WEIGHTS:

Head 43 pounds; Pedestal 25 pounds; Total 68 pounds.

FINISH:

Baked maroon enamel.

FEATURES

Uses standard motion picture globes (same as Junior).

Bottom swings down for easy globe replacement.

Compact in size.

Light in weight

Three-lens system; two stationary, one focusing.

Intensity remains same at a given distance regardless of spot size.

Priced without frills—buy the accessories you need.

Special beam shapes may be projected by matts made for the purpose.

Special effects (such as clouds) may be projected.

Ideal for use in small theatres, night clubs, schools, TV studios.

LIGHT CHART

Distance Feet	Light Intensity F.C.*	Spot Dia. Feet	
		No Matt No Iris 4 1/2"	With Iris 4"
10	4300	2.0	1.8
20	680	4.6	4.0
30	290	7.1	6.3
40	160	9.7	8.6
50	80	12.3	10.9
100	20	25.0	22.2

*Measured with 2000 watt, 3350°K globe (re-duce 15% for 3200°K globe.

NOTES: Eight matts with openings of 3 1/2, 3, 2 1/2, 2, 1 1/2, 1, 1/2, and 1/4 inches are available as accessories. When inserted, they produce spots directly proportional to the sizes shown under "Spot Dia. Feet." For instance: a 2" matt (which is half the diameter "with Iris") will produce a spot 2 feet in diameter at 20 feet distance.

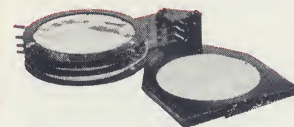
PEDESTAL SUBSTITUTIONS

See Page 29.

Type 1411 Junior Size Low

Type 1561 Junior Size Sky-Hi

ACCESSORIES



DIFFUSER CHANGER

Type 2252

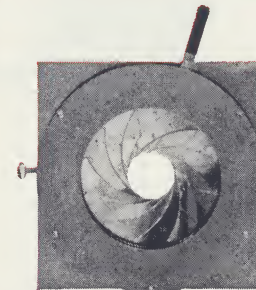
4 FRAMES FOR ANY DESIRED COLOR OR DIFFUSION MAT'L.



MATT

See Price List for Types

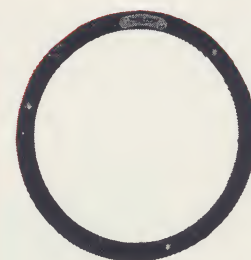
3 1/2, 3, 2 1/2, 2, 1 1/2, 1, 1/2, AND 1/4-INCH OPENINGS



4-INCH IRIS

Type 22583

CONTROLS SPOT SIZE WITHOUT MATT



DIFFUSER FRAME

Type 22511

SINGLE FRAME FOR ANY DESIRED COLOR OR DIFFUSION MAT'L.



TYPE 2428 CENTURY FLAG

TYPE 24 CENTURY HEAD

TYPE 324 CENTURY PEDESTAL

SPECIFICATIONS

Type 24 Century Head:

Finish: Natural aluminum.

Weight: 3½ pounds.

Extension Arm: 38 inches long each.
(2 included with head)

Type 324 Century Pedestal:

Finish: Baked maroon enamel.

Weight: 14 pounds.

Height: Retracted 40 inches.
Extended 100 inches.

CENTURY COMBINATION

FEATURES

Type 24 Century Head:

May be purchased separately.

May be mounted on Type 324 Century Pedestal or on any 5/8" spud such as:

	PAGE
Type 40651A Standard Baby Size Pedestal	28
Type 1391 Low Baby Size Pedestal	28
Type 1581 Sky-Hi Baby Size Pedestal	28
Type 500141 Baby Wall Plate	36

Two extension arms are provided—extra arms may be purchased.

Type 324 Century Pedestal.

Folds for transportation or storage.

May be nailed to floor for rigidity.

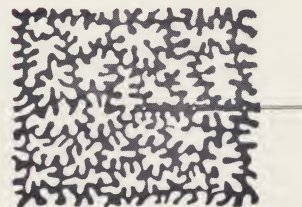
Has one high and two low legs for stacking.

ACCESSORIES



CENTURY SCRIMS, FLAGS AND CUTTERS

Used with Type 24 Century head. Available in single and double scrims, cloth flags, and cutters. See price list for sizes and types.



COOKIE

Type 1541

Provides shadow pattern. Use Type 24 Century Head.



BUTTERFLIES

FEATURES

Essential in harsh sunlight to soften shadows.

Frame knocks down easily.

Frame light in weight but sturdy.

Several components may be purchased as desired.

May be mounted on any suitable pedestal.



SEE "BUTTERFLY COMBINATION" FOR
COMPONENTS OF THIS TYPICAL SET-UP

SPECIFICATIONS

Frame:

Size: 6 feet square.

Construction: Aluminum except steel stem end (4 pieces).

Stem: $\frac{3}{8}$ inches in diameter.

Weight: 5 pounds.

Covers:

Size: 6 feet square.

Construction: Elastic corners and ties along sides for easy attachment of single scrim, double scrim or silk.

Bag: Holds set of three covers.

Junior to Baby Pedestal Adapter:

Has $\frac{1}{8}$ " spud for pedestal socket and $\frac{5}{8}$ " stud at top for:

Century Clamp Head:

Has $\frac{5}{8}$ " socket and clamping head for:

Rod and Century Clamp:

48" tube, $\frac{5}{8}$ " diameter with clamping head for butterfly frame stem.

BUTTERFLY COMBINATION

(Order any components desired
by type numbers)

PEDESTAL: (See Page 35).

Type 3272 Moleflector Pedestal.

MOUNTING ARRANGEMENTS:

Type 50073 Junior to Baby Pedestal Adapter.

Type 244 Century Clamp Head.

Type 14910 Rod and Century Clamp.

FRAME AND COVERS:

Type 1491 Frame only complete.

Type 14913 Set of Covers (single and double
scrim, and silk in bag). Or individually:

Type 14914 Bag.

Type 14915 Single Scrim.

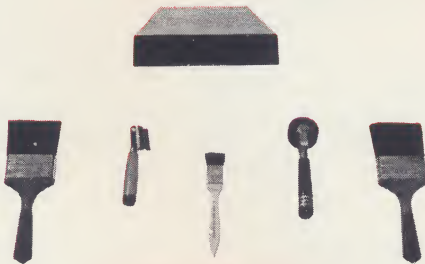
Type 14916 Double Scrim.

Type 14917 Silk.



TYPE 3274 BOARD, MOUNTED ON TYPE 3273 YOKE, ON TYPE 3272 PEDESTAL, AND, SEPARATELY, WITH TYPE 3277 BRACE.

ACCESSORIES



MOLEFLECTOR TOOL KIT
Type 1681

Necessary tools to resurface Moleflector boards.



MOLEFLECTOR MATERIALS KIT
Type 1691

Materials to resurface five Moleflector boards.



PEDESTAL
WITH
FOOT
EXTENDED



STORAGE BOX
FOR
BOARDS ONLY

**SINGLE OR DOUBLE
SCRIM COVERS FOR
BOARDS ARE
AVAILABLE.**
See Price List.

MOLEFLECTOR

48" x 48" OR 30" x 36"

FEATURES

Quick-folding pedestal

Pedestal has extension leg

Superior construction throughout

Brake in yoke may be reached from floor

Flexible set-up for purchasing components

Accessory brace has extension

(See page 67 for American Cinematographer Article)

SPECIFICATIONS

BOARDS: Two Types

Construction: 1/4" Exterior plywood in 1"x2 1/2" pine frame.
Reflector: Silver; bright one side, diffused the other.
Sizes: 48" x 48", or 30" x 36" overall.
Weights: 48" x 48", 16 1/2 pounds — 30" x 36", 8 3/4 pounds.
Finish: Natural wood shellacked.
Types: 48" x 48" Type 3273.
30" x 36" Type 1781.

YOKES: Two Types

Construction: Steel tubing, thumb screw mounting for board.
Clamp: Knob at Yoke Base.
Weights: 48" x 48", 10 pounds — 30" x 36", 8 3/4 pounds.
Finish: Baked Maroon Enamel.
Types: 48" x 48" Type 3273.
30" x 36" Type 1771.

PEDESTALS: Two Types

Construction: Steel tubing.
Folding: Knobs — Requires no wrench.
Finish: Baked maroon enamel.
Weights: Low pedestal, 19 1/2 pounds; high pedestal, 29 pounds.
Measurements:

	Low Pedestal	High Pedestal
Low Position.....	24 inches	60 inches
High Position.....	No extension	96 inches
Extension Leg.....	18 inches	18 inches

Types:

Low Pedestal — Type 3279.
High Pedestal — Type 3272.

BRACE: Type 3277

Hinged, with thumb screw for attaching board through one yoke hole.
Length: Retracted: 28 inches.
Extended: 58 inches.
Weight: 4 pounds.
Finish: Baked maroon enamel.

STORAGE BOXES: Four Types

Hinged Door with hasp and snap on chain.
Carrying handles both ends.
Shellacked natural wood finish.

	48" x 48"		30" x 36"	
	4-UNIT	2-UNIT	4-UNIT	2-UNIT
Measurements:	50" x 50"	50" x 50"	32" x 38"	32" x 38"
	9 3/4" Thick	5 3/4" Thick	9 3/4" Thick	5 3/4" Thick
Weights:	86 Pounds	71 Pounds	48 1/2 Pounds	39 1/2 Pounds
Types:	3275	3276	1791	1801

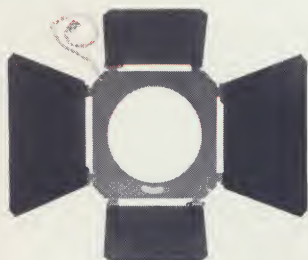


ACCESSORIES



2-LEAF BARN DOOR

Used to cut off light from the camera and also to provide special lighting effects.



4-LEAF BARN DOOR

Used to cut off light from the camera and also to provide special lighting effects.



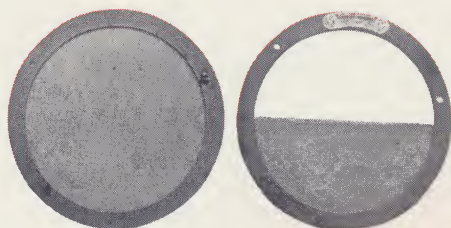
DIFFUSER FRAME

Diffusing material is inserted in double-ring holder. See "Supplies" for materials.



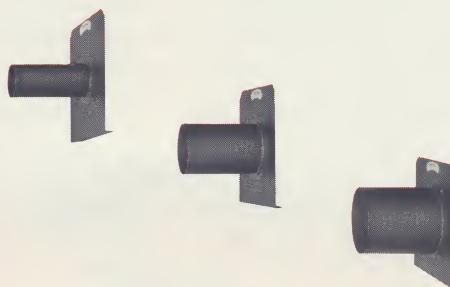
MACBETH FILTERS

See page 64 type numbers and application



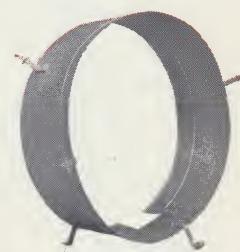
LAMP SCRIMS

Diffusing medium available in single, double, half single and half double thickness.



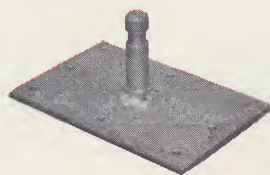
SNOOTS

Sets of three sizes for directing light to a particular spot.



SKYLITE DIFFUSER HOLDER
Type 24515

Mounted on front to hold scrims, diffuser and barn door.



BABY WALL PLATE

Type 500141

A lamp mount to be nailed to set wall or top.



JUNIOR WALL PLATE

Type 1721

A lamp mount to be nailed to set wall or top.



BABY TROMBONE

Type 500190

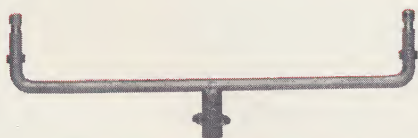
Hangs over set top to support lamps on set wall.



JUNIOR TROMBONE

Type 1731

Hangs over set top to support lamp on set wall.



BABY PEDESTAL DOUBLE HEAD

Type 500250

Mounts on Baby pedestal to provide concentration of two lamps.



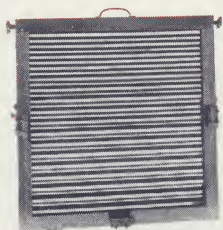
BABY PEDESTAL TRIPLE HEAD

Type 500216

Mounts on Baby pedestal to provide concentration of three lamps.

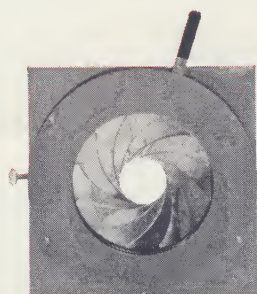


ACCESSORIES



SHUTTER

Controls light intensity especially for color photography.



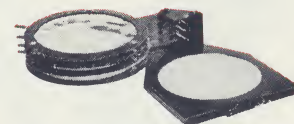
IRIS

Quick and easy way to control size of circle of illumination. See Price List for sizes.



4-BLADE SLIDING BARN DOOR

Provides control of light size and shape, rotates.



DIFFUSER CHANGER

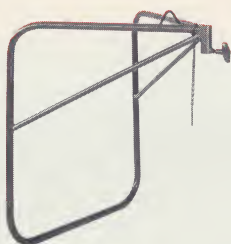
4 frames in one holder make diffusion change easy.



TELESCOPING HANGER

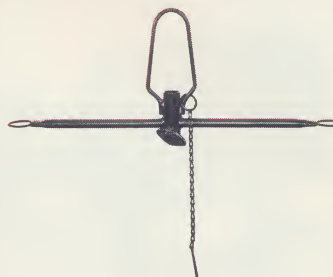
Type 500288

Mounted from overhead pipe allowing up and down adjustments of 33".



WALL SLED

Hangs over set top to support lamp on set wall.



TRAPEZE

Type 500305

Allows suspension of lamps from overhead ropes or chains.



BAZOOKA

Type 500287

Provides method of supporting lamps over edge of overhead catwalk.



SET WALL BRACKET

Type 500229

Nails to top of set wall.



JUNIOR EXTENSION ARM

Type 1671

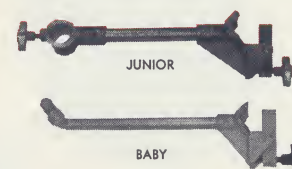
Extends over set. Fits in 1 1/8" hole.



PEDESTAL EXTENSION

Type 500114

Provides 3 ft. additional height for Junior and Senior Pedestals except SKY-HI.



PEDESTAL BRACKET

Type 500144-Baby, 500152-Jr. May be clamped anywhere on the upright tube of a pedestal to provide a low position for the lamp head.



CASTER POST

Type 500179

Substituted for caster nut to mount lamp at caster height.



JUNIOR TO BABY PEDESTAL ADAPTER

Type 50073 Adapts 1 1/8" Pedestal socket to 5/8" spud.



GOOSE NECK AND CLAMP

Type 2432

Dots and targets attached to goose neck for placement as desired.



DOT OR TARGET

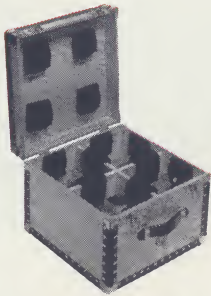
Solid, or single or double scrim.

See goose neck.
See price list for sizes and types.

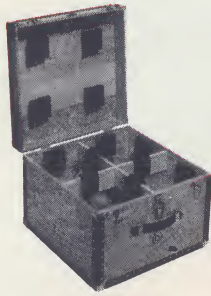


ACCESSORIES

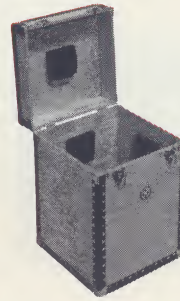
GLOBE BOXES



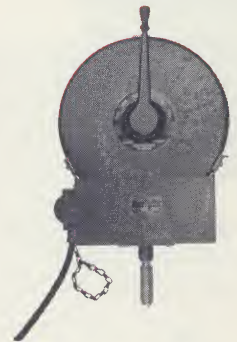
Type 1821
Holds four 2000
Watt Globes.



Type 1831
Holds four 5000
Watt Globes.



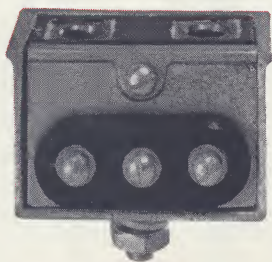
Type 1841
Holds One 10,000
Watt Globe.



DIMMER PLATES

755 to 1000 Watts Type 504
1655 to 2000 Watts Type 503

Designed for mounting on a pedestal having an 1 1/8-inch socket top; have 25 ft. of cable with either stage or attachment plug, stage pocket and plug receptacle, and switch.



MOGUL BIPOST SOCKET
Type 500227

For 1000 or 2000 watts. Has 3/8-16x3/4" stud for attaching.



5000 TO 2000 WATT ADAPTER
Type 1921

Allows 2000 Watt globe to be used in 5000 Watt socket.



DIFFUSER BOX

Attaches to pedestal upright for handy storage of diffusers.

FOR HANGING LAMPS ON OVERHEAD PIPES



C CLAMP
Type 1201

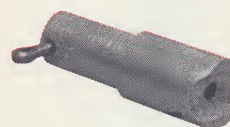
Set screw adapts to pipe 1" to 2" outside diameter.



TYPE 500119 ADAPTER
For lamps with socket in yoke.



TYPE 500165 ADAPTER
For lamps having 1 1/8" yoke pin.



TYPE 500166 ADAPTER
Substitute for Type 500165 Adapter, in hanging lamps with removable yoke pins.



TYPE 500182 ADAPTER
Substitute for Type 500165 Adapter, in hanging lamps with removable yoke pins.



PHOTOGRAPHIC COLOR CORRECTION AND DIFFUSING MATERIALS

GELATINE: All sheets come 20" x 24". Our stock consists of over 80 solid colors and 4 variegated colors. A standard sample book will be sent upon request.

ACETATE: A plastic sheet material available in rolls 42" x 50 ft. long; also may be ordered by the lineal yard. Used principally in color photography where colors equivalent to Brigham Gelatine numbers are useful: 1, Y-1, YF-101, MT-2, 74T, 76T, and TD-25.

SPUN GLASS: This material may be purchased in either .010 or .015 inches thick, and either by the roll 3 feet wide by 300 feet long, or by the lineal yard.

SCRIM MATERIAL: A black net which comes in bundles of varying length but always 72 inches wide—sold by the lineal yard.

SILK: White China silk sold by the lineal yard in 36 inch width.

WIRE SCREEN: Available in either single or double scrim density. The width is 36 inches and the roll length is 100 feet—Also may be purchased by the lineal foot.

A sample diffusion material booklet containing odd shades of gelatine and the other diffusing materials listed above is available and will be sent upon request.

CARBONS: As a distributor for The Carbon Products Division of the Union Carbide Corporation we have various types of carbons available: Projector Carbons—High Intensity Search-light Carbons—Spectroscopic Carbons—Motion Picture Studio Carbons. Quotation will be made upon request.

GLOBES: As a distributor of General Electric globes we offer our customers a substantial savings through contract sales, and through the sales of globes with the purchase of equipment, we will quote these special prices if you will specify the kind of globes you need.

The globe table, page 65, lists the various globes used with our equipment and those proper for each lamp are specified on each catalog page. Our stock consists of large lamps, photo lamps and miniature lamps. Globes designated for use in Mole-Richardson equipment are on the price list and are not included in price of equipment.

DUVETYN: A black, opaque material used to cover gobos, flags and cutters. It is 52 inches wide and may be purchased by the lineal yard.

PAINT: Maroon baking or air dry enamel may be purchased by the quart or gallon to repaint Mole-Richardson equipment.

REPAIR PARTS: The various components used in manufacturing our equipment are kept in supply for those who require replacement parts. Parts catalogs are available, for most equipment.

BLOOD MOLEFFECT

TYPE 2321 TECHNICOLOR BLOOD

TYPE 2331 PANCHROMATIC BLOOD

Two types of imitation blood made of water-soluble cellulose compounds that can be washed from materials. For good color reproduction, the technicolor blood is a bright red. The panchromatic blood is darker in hue for best reproduction in black-and-white photography. Realism is provided by a characteristic dripping action which is similar to real blood in the coagulating stage.

Available in pint, quart, gallon, or five gallon cans.

PASTE

Available in: 55-Gallon Drum (400 to 480 Pounds)
One-half Drum (200 to 240 Pounds)
5-Gallon Pail (45 Pounds)

TYPE 2291 PEEL PASTE

Used in the application of temporary wallpaper coverings. To insure easy removal, the wall surface should be varnished or otherwise treated to prevent moisture absorption.

TYPE 2311 FLOOR PASTE

Used to apply such materials as asphalt tile or composition board to floors. The floor surface should be as non-porous as possible to facilitate removal of the flooring.

Both pastes are non-toxic, water dilutable, and water soluble. Use of these adhesives enables you to remove coverings without damaging the wall or floor and thus avoid re-surfacing for several years. Coverings may be removed quickly which makes for a considerable saving in time and labor costs. One pint will cover approximately 150 square feet.

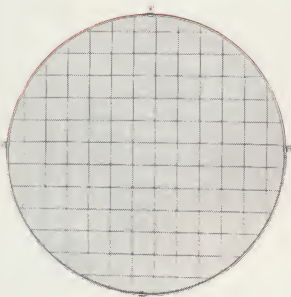


NEW ADDITIONS



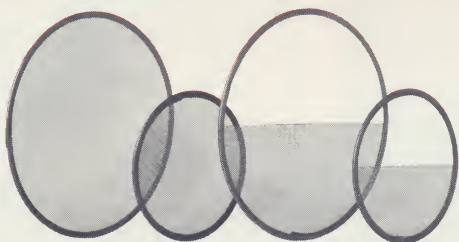
**TYPE 2861 MOLEFFECT
BREAKAWAY BOTTLES.**

Available in quart size with label.



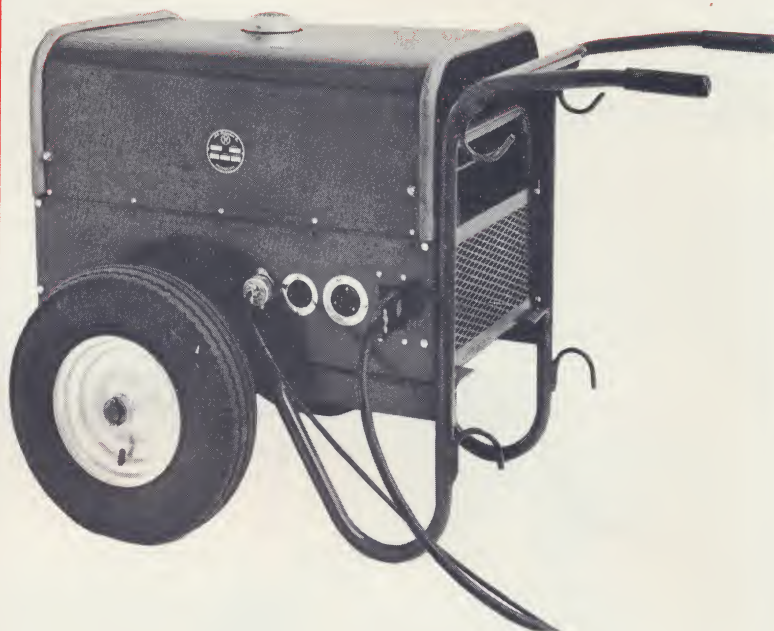
**TYPE 450681
LENS GUARD**

(see price list pg. 58)



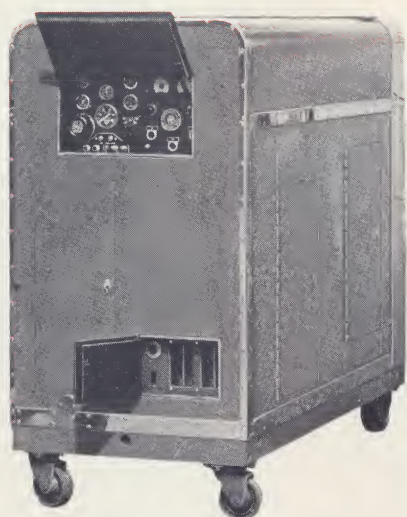
MOLEDURA METAL SCRIMS

Durable steel wire screen mounted in aluminum frames, color coded as to single or double scrim density. Available in Full Single, Full Double, Half Single and Half Double for Mole-Richardson size lighting units.



PORTABLE LOCATION A.C. POWER PLANTS

Typical unit is Type 2521 gasoline engine driven generator, pictured above, rated at 3000 watts, 25 amperes, 115 volts, 60 cycles AC. Useful for operating Fogmakers, Lighting Equipment, Work Lights, and other A.C. devices. Information on other units supplied upon request.



**PORTABLE LOCATION
D.C. POWER PLANTS**

Gasoline engine driven, sound proofed for motion picture lighting, engineered for maximum portability and dependability.



CONVERTS AC TO DC FOR ALL LIGHTING EQUIPMENT

MOLARC RECTIFIER TYPE 2341

Input: 3 phase 60 cycle A.C.
208 volt — 125 amp.
240 volt — 105 amp.
480 volt — 54 amp.

Output: 250 ampere, 120 volt D.C.



TYPE 1971 WINDMACHINE MOLEFFECT
MOUNTED ON TYPE 19720 PEDESTAL

SPECIFICATIONS

Power Supply: 120V, AC or DC, 3.25 amperes.

Motor: Totally enclosed.

Fan: Three-blade, $17\frac{5}{8}$ inches diameter.

Guards: Welded steel wire, electroplated.

Controls: Off-on switch, calibrated rheostat knob.

Dimensions: Diameter, $20\frac{1}{4}$ inches; length, $17\frac{1}{2}$ inches.

Weight: 74 pounds.

Cable: 25 feet, two-conductor. When ordering specify stage or two-prong plug.

Finish: Baked maroon enamel.

WINDMACHINE MOLEFFECT

FEATURES

Designed for use in Hollywood studios

Produces maximum air flow with minimum noise

Air stream directional with vanes,
or broad without vanes

Rheostat control provides smooth, variable speed

Operates on either AC or DC

Sets on floor or mounts on pedestal

Tilts or pans 360°

PEDESTALS

Construction: U-Shaped Legs of Flat Steel.

Extensions:

Type 19720 Low—One.

Type 19721 Standard—Two.

Measurements:

	Type 19720 Low	Type 19721 Standard
Low.....	22 inches	43 inches
High.....	32 inches	100 inches

Weights:

Type 19720 Low— $21\frac{1}{2}$ pounds.

Type 19721 Standard—39 pounds.

Casters: Locking, Rubber-tired, ball-bearing, swivel, 4-inch.

Finish: Baked maroon enamel.



WINDHOWLER MOLEFFECT



SPECIFICATIONS

TYPE 2281 WINDHOWLER ONLY

Motor: 115V AC, 6 amperes, single phase
Cord: 6½ feet—2 conductor
Size: 9 inches x 14½ inches x 9¾ inches
Weight: 12½ pounds
Finish: Baked maroon enamel

TYPE 2283 CARRYING CASE

Construction: Plywood, glued and nailed, covered with black vinyl imitation leather, edges protected with closely riveted fibre and metal corners. Hinges are brace-type stay; the locks draw-pull; the handle of plastic; the feet knob-type.

Interior: Compartmentalized, with felt for protection where necessary. Printed instructions are in a frame on the inside of the lid.

Weight: 28 pounds

Size: 11 inches x 22½ inches x 11¾ inches

DISCS

Type 22848 1-Hole
Type 22849 2-Hole
Type 22850 3-Hole
Type 22851 4-Hole

RESONATORS

No. 1 Type 22831
No. 2 Type 22832
No. 3 Type 22833
No. 4 Type 22834
No. 5 Type 22835

RESONATORS

No. 6 Type 22836
No. 7 Type 22837
No. 8 Type 22838
No. 9 Type 22839
No. 10 Type 22840
No. 11 Type 22841
No. 12 Type 22842
No. 13 Type 22843
No. 14 Type 22844
No. 15 Type 22845

TYPE 2282 WINDHOWLER KIT

The complete kit consists of the carrying case, windhowler, and one each of the discs and resonators.

Weight: 42½ pounds

FEATURES

The Windhowler may be used "live" on stage, or as a means for recording the special effects of desired sound on tape for later use. One of the advantages of "live" use is the ease with which a desired sound may be cued directly to action on stage. A variable transformer provides a means of adjusting the sound to the desired level.

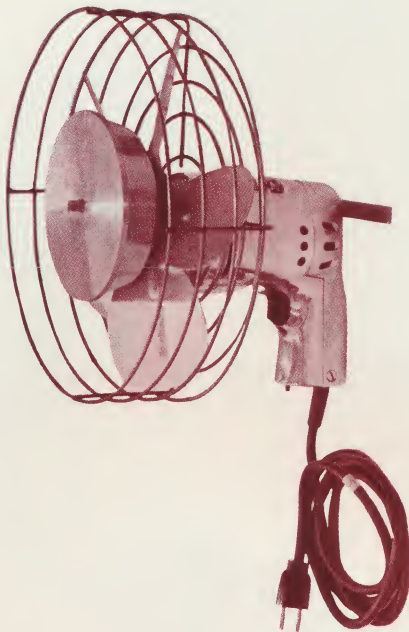
OPERATING SUGGESTIONS

Various types of sounds which may be obtained are shown below together with the numbers of the resonators necessary singly or in combination. Discs with 1, 2, 3 or 4 holes are provided to accommodate the grouping desired. This is intended to be a guide only; many other sounds will result from experimentation with additional combinations of resonators.

MOANING WIND—LOW PITCH.....	1
MOANING WIND—MEDIUM PITCH.....	2
MOANING WIND—HIGH PITCH.....	3
HURRICANE WIND.....	2+12
DESERT WIND.....	8+10
MOUNTAIN WIND.....	5+7
WHISTLING WIND.....	12+15
WINTER WIND.....	4+7
FOREST WIND.....	1+2
WIERD WIND.....	3+6
SHIPS RIGGING WIND.....	9+12+15
SHRILL WIND.....	13+14+15
JET PLANE ENGINE.....	11+12+14+15



COBWEB SPINNER MOLEFFECT



TYPE 1911 COBWEB SPINNER ONLY

Absolute simplicity of operation is the greatest feature of this Moleffect. To operate, you need only fill the cup with fluid, screw down the cover, point the machine, and pull the trigger switch. The result is a thin stream of fluid blown out five to ten feet for placement as desired. (See Page 67 for American Cinematographer Article)

SPECIFICATIONS

Motor: 115V AC/DC , 2 amperes, single phase

Fan: 5-Blade Aluminum

Cup: Aluminum Casting

Cord: 5 Feet, Rubber-Covered, 3-Wire (2-way adapter furnished)

Weight: 5 Pounds

MATERIALS AND ACCESSORIES:

TYPE 1913 COBWEB CEMENT

in pint bottle

TYPE 1914 CLEANER-THINNER

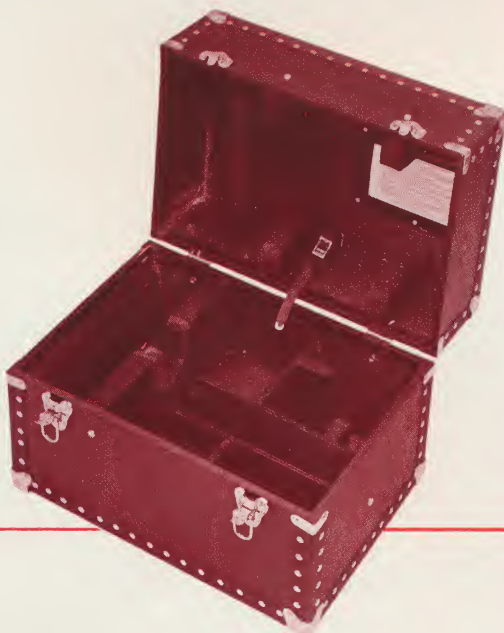
one quart can

TYPE 1916 COBWEB DUST

in 5-pound sack, to be applied for additional realism

TYPE 1915 DUSTER

for use in applying Type 1916 Cobweb Dust



TYPE 1912 CARRYING CASE

Especially designed to provide a compact unit containing all the necessary components.

SPECIFICATIONS

Construction: Plywood, glued and nailed, covered with black vinyl imitation leather. Edges protected with closely riveted fibre and metal corners. Hinges are brace-type stay; the locks draw-pull; the handle of plastic; the feet knob-type.

Interior: Compartmentalized, with felt for protection where necessary. Printed Instructions are in a frame on the inside of the lid.

Weight: 17 Pounds

Size: 18 inches x 12 1/2 inches x 13 inches

TYPE 1918 COBWEB SPINNER KIT

The complete unit consists of Cobweb Spinner, Carrying Case, four pints of Cobweb Cement, one quart of Cleaner-Thinner, 5 pounds of Cobweb Dust, and Duster.

Weight: 33 Pounds



TYPE 1961 FOGMAKER KIT:

The complete unit consists of Fogmaker, Carrying Case, Funnel, Fog Cooler, and one quart each of Fog Juice, Fog Chaser, Spice Deodorant, Air Clean, and Insecticide.

Weight: 48 Pounds



FOGMAKER MOLEFFECT

TYPE 1963 FOGMAKER ONLY:

A compact unit of superlative design and versatile application. By using special liquids listed below you can:

- 1—Create the effects of fog, smoke, haze, and mist with Fog Juice.
- 2—Clear the area of haze with Fog Chaser.
- 3—Perfume the air with Deodorants.
- 4—Kill flying and crawling insects with Insecticide.

(See page 67 for American Cinematographer Article)

SPECIFICATIONS

Heater: 115 Volt AC or DC, 8.3 Amperes, 1000 Watts.

Construction: Plastic case and handle.

Cord: Detachable, 6 feet, 2-Wire, with molded house plug.

Operation: Plunger pumps liquid into heat chamber to produce puffs of vapor.

Size: 11 inches x 5 inches x 13 inches.

Weight: 9 pounds.

TYPE 1962 CARRYING CASE:

Especially designed to provide a compact unit containing all the necessary components.

SPECIFICATIONS

Construction: Plywood, glued and nailed, covered with black vinyl imitation leather. Edges protected with closely riveted fibre and metal corners. Hinges are brace-type stay; the locks draw-pull; the handle of plastic; the feet knob-type.

Interior: Compartmentalized, with felt for protection where necessary. Printed Instructions are in a frame on the inside of the lid.

Weight: 20 Pounds

Size: 19 inches x 12 1/2 inches x 13 1/2 inches

MATERIALS AND ACCESSORIES:

*TYPE 1964 FOG JUICE

*TYPE 1965 FOG CHASER

TYPE 1966 PLASTIC FUNNEL

TYPE 1967 FOG COOLER

Used to produce low-lying fog. The cooler is attached to the Fogmaker and filled with dry ice, Fog Juice vapor, when thus cooled, will hug the floor.

*TYPE 19613 SPICE DEODORANT

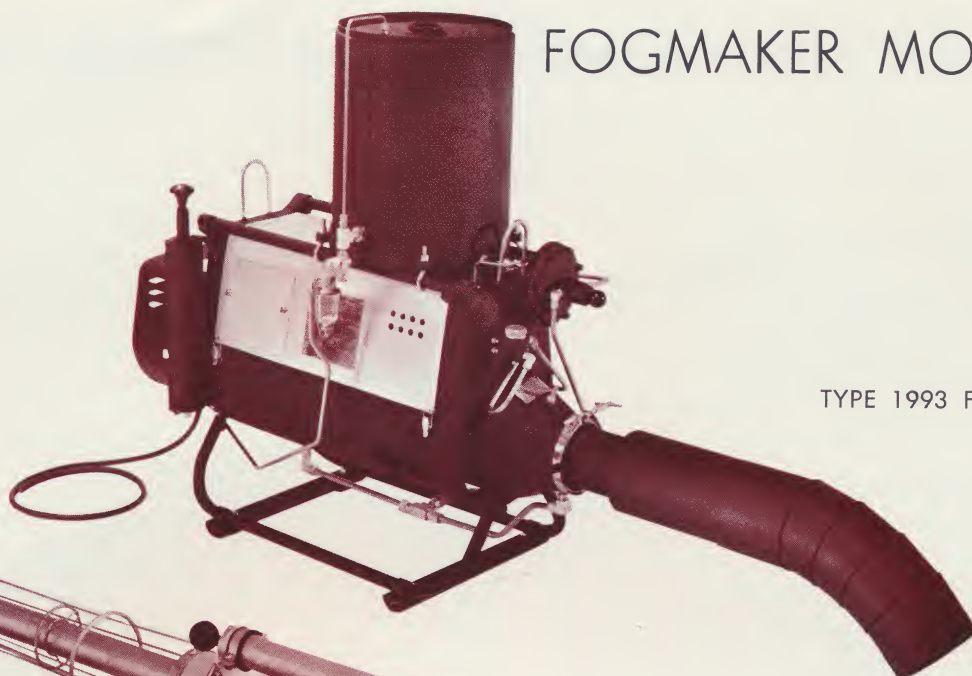
*TYPE 19629 AIR CLEAN

*TYPE 19615 INSECTICIDE

*Available in Quarts, Gallons, Cases, and Drums.



FOGMAKER MOLEFFECTS



TYPE 1993 FOGMAKER



TYPE 1986 FOGMAKER

SPECIFICATIONS: TYPE 1986

Output	0-15 Gallons per hour
Weight (filled)	37 Pounds
Weight (empty)	21 Pounds
Length	66 Inches
Height	17 Inches
Width	9 1/2 Inches
Gasoline Tank Capacity	1.1 Quart (35 min.)
Fogjuice Tank Capacity	2 Gallons
Volume Control	Fingertip Manual
Fog Particle Size	0.5-50 Microns

Fully contained and ready to use. This unit employs a resonant pulse-jet engine which produces greatest fog coverage with least weight. Easily started by actuating an air pump, which also serves as the carrying handle, and depressing a starter switch powered by a standard lantern battery. May also be carried by shoulder strap.

Fog is generated with the pulse-jet engine Fogmakers by a controlled injection of the Type 1984 Fogjuice into the proper point of the exhaust tube, where it is vaporized by the high velocity, cyclic flow of gases, then condensed into microscopic air-borne particles as it mixes with the relatively cooler atmosphere. The effects of fog, smoke, haze, or mist may thus be created on a large scale. Mass destruction of flying and crawling insects may be accomplished by using the same Fogmakers as dispensers of Type 19615 Insecticide, deadly to insects, but harmless to all warm blooded animals.

SPECIFICATIONS: TYPE 1993

Output	0-50 Gallons per hour
Weight (empty)	100 Pounds
Length (nozzle attached)	62 Inches
Length (less nozzle)	46 Inches
Height	41 Inches
Width	18 Inches
Gasoline Tank Capacity	12 Gallons (4 hours)
*Fogjuice Tank	55 Gallon Drum
Volume Control	Manual Knob Setting
Fog Particle Size	0.5-75 Microns

This unit employs a resonant pulse-jet engine capable of producing large volumes of fog. Starting is accomplished by operating a manual air pump while ignition is temporarily supplied by battery. The selection of fogging rate is manual with automatic pressure safety cut-off. The automatic gravity feed fuel flow is controlled manually. The Fogmaker and its 55-gallon tank may be carried by truck, trailer, boat, etc. to areas to be heavily fogged.

*A special heavy duty, 16 gage steel, two bung, 55 gallon formulation drum with internal vinyl coating and weighing sixty-six pounds. The drum is priced separately and not included in the price of the Fogmaker.

MATERIALS

TYPE 1984 FOGJUICE

Five Gallon can.
Drum of fifty-five gallons.

TYPE 19615 INSECTICIDE

Gallon.
Case of six gallons.
Drum of fifty-five gallons.



CABLE POWER DISTRIBUTION DATA

HOW TO USE THE TABLES PRINTED BELOW

- 1—Know the total amount of power at your supply point.
- 2—Be sure your supply has ample fusing.
- 3—Compute the amperage load (Table 1) for the maximum units of lighting equipment you expect to use and be sure it does not exceed your total supply. (The quantity and variety of lights owned should be sufficient to provide flexibility in all photographic situations and since all will not be in use at one time, only the maximum number of lights to be used at one time will form the basis for computing amperage load.)
- 4—Relate your available power to the current carrying capacities in Table 2 and decide on adequate cables.
- 5—Determine whether you have a two- or three-wire system and use either Table 3 or Table 4 as a guide in laying out your distributing system.
- 6—Select components from following Cable Power Distribution pages.

Table 1

INCANDESCENT LAMPS AT 120 VOLTS	
Globe Wattage	Globe Amperage
200	1.7
500	4.2
750	6.3
1000	8.3
1500	12.5
2000	16.7
5000	41.6
10,000	83.3

ARC LAMPS AT 115-120 VOLTS	
Type Number	Amperage
40	40
90	120
170	150
450	225

Table 2

CABLE		AMPERE RATINGS			
AWG Size of Con-ductors	Number of Con-ductors	Per Conductor		Total Load	
		Con- tinuous	*Inter- mittent	Con- tinuous	*Inter- mittent
8	2	45	60	45	60
6	2	65	85	65	85
4	2	85	115	85	115
4	3	85	115	170**	230**
2	2	115	155	115	155
2	3	115	155	230**	310**
4/0	1	230	310	230‡	310‡

‡Additional capacity may be secured by paralleling as many feeders as are necessary to carry the load.

*Ampere ratings usually found to be satisfactory for intermittent service normally encountered in motion picture studios.

**Maximum load amperes for balanced condition on a three-wire system.

Table 3 TYPICAL THREE-WIRE 240/120 VOLT DISTRIBUTION SYSTEM.

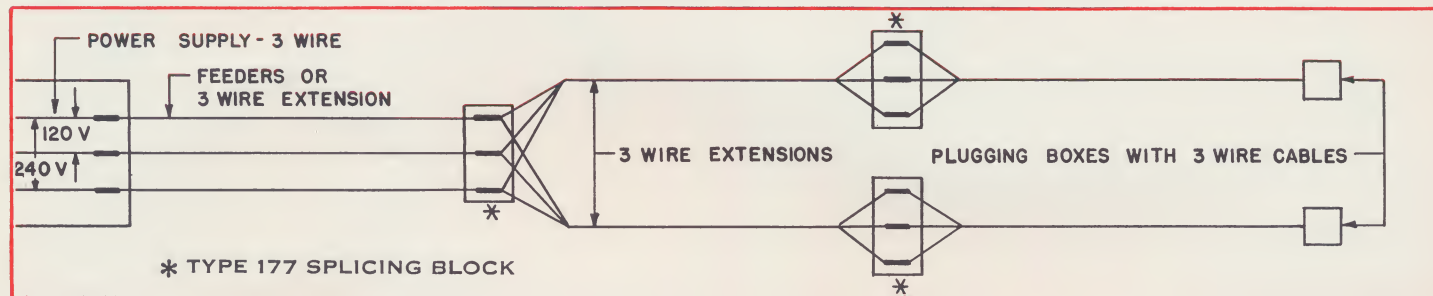
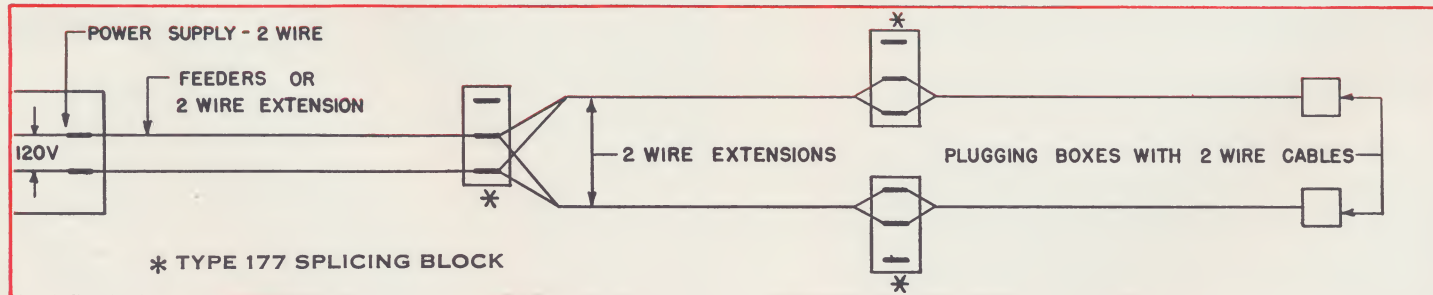


Table 4 TYPICAL TWO-WIRE 120-VOLT DISTRIBUTION SYSTEM.



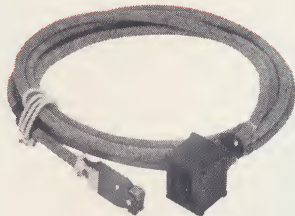


CABLE POWER DISTRIBUTION COMPONENTS



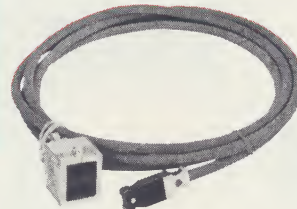
Type 101A

Type 101P Plug Box with
**25 ft. #8/2-Cond. cable
and Type 100A Stage Plug.
Wt. 12#



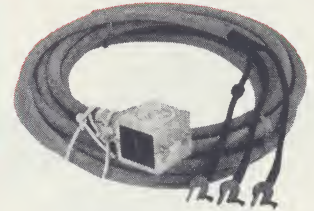
Type 101B

Type 101R Plug Box with
**25 ft. #8/2-Cond. Cable
and Type 100A Stage Plug.
Wt. 12#



Type 102

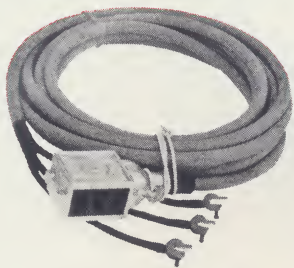
Type 102P Plug Box with
**25 ft. #6/2-Cond. Cable
and Type 100A Stage Plug.
Wt. 19#



Type 104B

Type 104P Plug Box with
**50 ft. #4/3-Cond Cable
and Type 50013A Bus Bar
Lugs. Wt. 51#

Type 104A
Same with #4/2-Cond. Ca-
ble. Wt. 38#



Type 106B

Type 106P Plug Box with
**50 ft. #2/3-Cond. Cable
and Type 50013A Bus Bar
Lugs. Wt. 77#

Type 106A
Same with #2/2-Cond. Ca-
ble. Wt. 54#



Type 123

2/3 Extension with **50
ft. #2/3-Cond. Cable and
Type 50013A Bus Bar Lugs
both ends. Wt. 69#



Type 122

2/2 Extension with **50
ft. #2/2-Cond. Cable and
Type 50013A Bus Bar Lugs
both ends. Wt. 47#

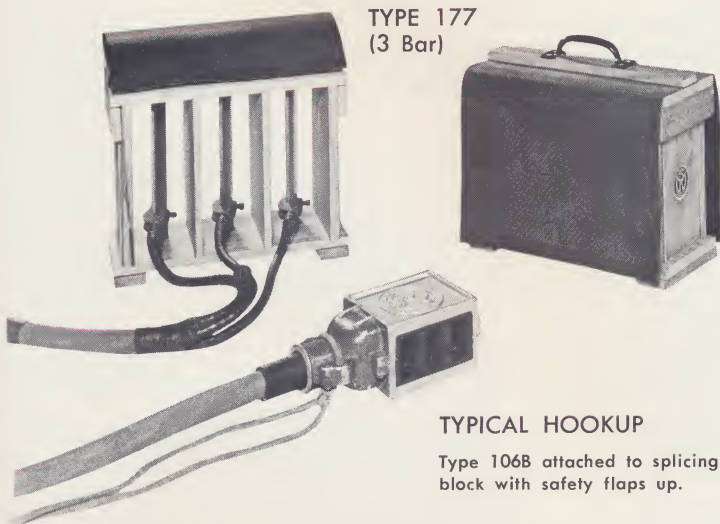


Type 140

4/0 Feeder with **100 ft.
0000/1-Cond. Cable and
Type 50044 Bus Bar Lugs
both ends. Wt. 102#

The AWG sizes are selected to carry the amperage in relation to the number of box receptacles. We do not recommend substitutions.
** Standard in Hollywood—other length will be quoted on request.

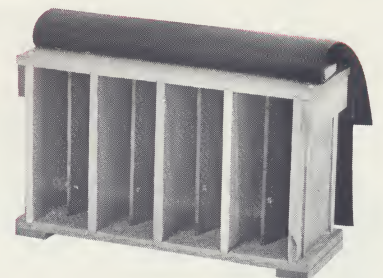
SPLICING BLOCKS



TYPE 177
(3 Bar)

TYPICAL HOOKUP

Type 106B attached to splicing
block with safety flaps up.



TYPE 1901
(4 Bar)

Eliminates danger of fire and shock
because massive copper splicing
plates are recessed well inside the
frame and separated by heavy
hardwood insulating panels. Splic-
ing plates are set at an angle for
safety and to permit easy attach-
ment of cable lugs with wrench or
pliers.

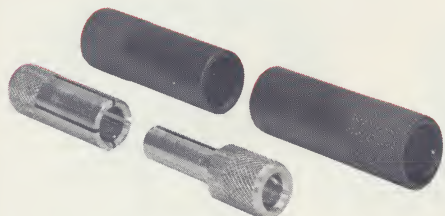
Weights:

Type 177 19 pounds
Type 1901 23 pounds



CABLE POWER DISTRIBUTION ACCESSORIES

PIN PLUGS



Used on ends of cable as a means of quick connection.

Type Numbers

	Male	Female	Fibre
For Wire Sizes 2-4-6...	22623	22622	22624
For Wire Sizes 6-8.....	50019	50016A	50016B
For Wire Sizes 0-00...	450239	450211	22624

LINE FUSES



Used for in-the-line fusing

Case is marked "250 Amps" which is the maximum we recommend.

Can be used with 20, 30, 35, 40, 50, 60, 70, 80, 100, 125, 150, 175, 200, 225, or 250 ampere fuses (see Table 2, Page 46 for Amperage carrying capacities of cable).



TYPE 500133 for wire sizes 2 and smaller. Maximum conductor diameter $\frac{1}{2}$ inch. Maximum cable outside diameter $\frac{3}{4}$ inch.

TYPE 500134 for wire sizes between 2 and 0000. Maximum conductor diameter $\frac{1}{2}$ to $\frac{3}{4}$ inch, maximum cable outside diameter 1 inch.

BUS BAR LUGS



Bronze castings with setscrew.

Used on ends of cable for attaching to Bus Bars.

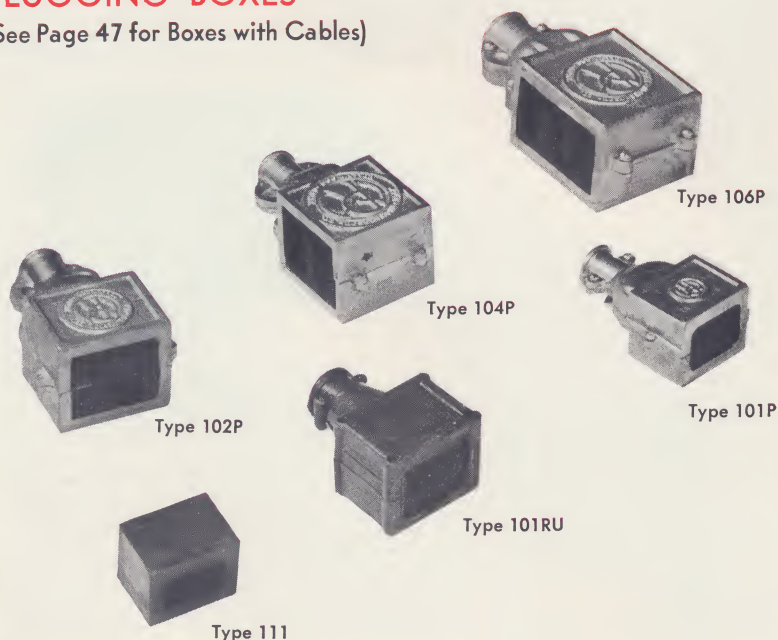
TYPE 50013A for wire sizes 2, 4, and 6.

TYPE 450212A for wire sizes 0, and 00.

TYPE 50044 for wire sizes 000, and 0000.

PLUGGING BOXES

(See Page 47 for Boxes with Cables)



TYPES 101P, 101RU, 102P, 104P, 106P

Designed for attachment to cables.

All have recessed contact plates.

Each "hole" accommodates two Type 50 or one Type 100A Safety Stage Plug.

All boxes aluminum except Type 101RU which is rubber. Types 101P, 101RU, and 102P designed for 2-conductor cable only.

Types 104P and 106P designed for 2- or 3-conductor cable (**specify number of conductors on your order**).

TYPE 111

Designed for installation within a structure and requires mounting means.

Recessed contact plates moulded into I-hole rubber case. Accommodates two Type 50 or one Type 100A Safety Stage Plugs.

Size: 3" x 2 $\frac{1}{4}$ " face, 3" deep.



CORD POWER DISTRIBUTION



Type 1641



Type 1631 Type 1661



Type 1591 Type 1651



Type 1741 Type 1751

SPECIFICATIONS

CABLES: 25 feet, 2-wire.

PLUGS: House or twist-lock (stage plug at additional cost).
When ordering, state preference as to plug desired.

RECEPTACLES:

Type 1631: 2-receptacle for house plugs.

Type 1661: 2-receptacle for twist-lock plugs.

Type 1591: 4-receptacle for house plugs.

Type 1651: 4-receptacle for twist-lock plugs.

Type 1641: Single-extension for house or twist-lock plug,
when ordering, state preference.

Type 1751: 3-receptacle (with switches) for house plugs.

Type 1741: 3-receptacle (with switches) for twist-lock plugs.

WEIGHT:

6½ Pounds

6½ Pounds

7 Pounds

7 Pounds

6 Pounds

7 Pounds

7 Pounds

SWITCHES: 1500-watt capacity.

BOXES: Metal.

PLEASE INDICATE ON YOUR ORDER
THE KINDS OF PLUGS AND RECEPTACLES DESIRED

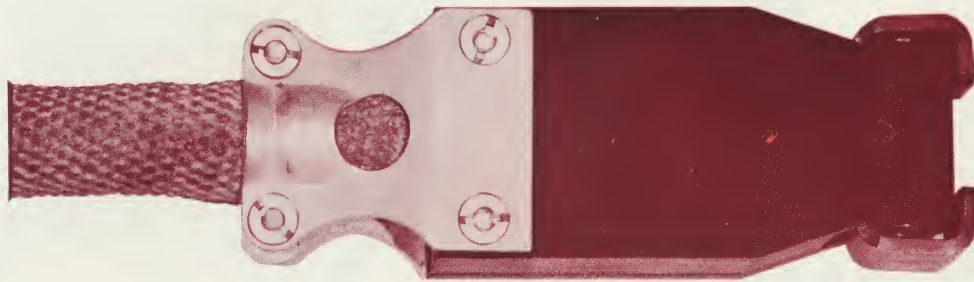
FEATURES

All boxes and cables are designed to
distribute power to a maximum
of 3000 watts.

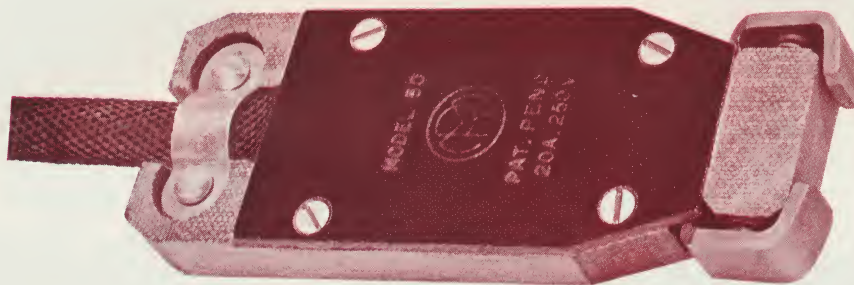
Boxes with switches afford a means
of controlling lights from a
central location.



SAFETY PLUGS



TYPE 100A FULL PLUG



TYPE 50 HALF PLUG
(Also available with 2 30-Amp fuses — Type 50F2)

SPECIFICATIONS

CONTACTS —Copper, rugged, floating.

CONTACT COMPRESSION —Approx. $1\frac{1}{8}$ " expanded to $1\frac{3}{8}$ " compressed.

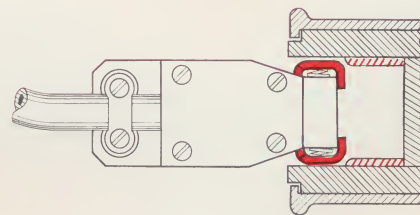
CONTACT SPRING —Stainless Steel.

CABLE SIZES —

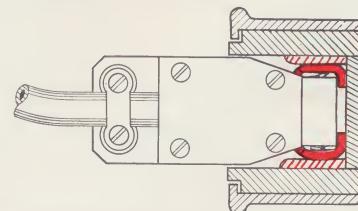
Type 50—No. 18 to No. 12 AWG cord
Type 100A—No. 8 to No. 14 AWG cable
(Connection made by terminal on cable).

BODY AND COVER —Laminated, cloth-base phenolic compound with high impact strength and low moisture absorption. Assembled dimensions:

Type 50— $\frac{1}{2}$ " thick, $1\frac{15}{16}$ " wide.
Type 100A— $\frac{15}{16}$ " thick, $1\frac{15}{16}$ " wide.



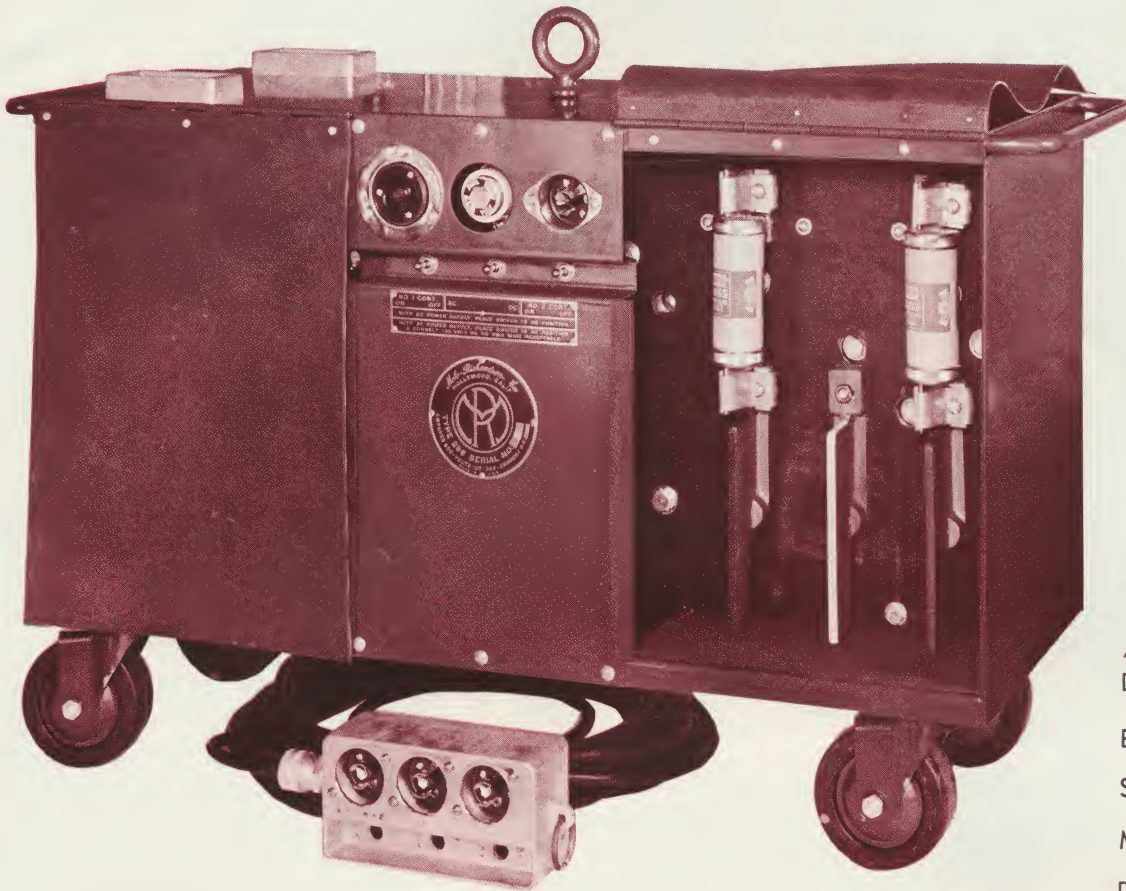
ENTERING POSITION—This cross-section shows the new M-R Safety Plug as it enters a plugging box with recessed contact plates. Because the plug's contact surfaces do not touch the box contacts until they clear the box opening, possibility of shock is eliminated.



CONTACT POSITION —When the M-R Safety Plug is completely inserted into a plugging box no "live" parts are exposed.



2-UNIT REMOTE-CONTROLLED SWITCHBOARD



TYPE 295 2-UNIT REMOTE-CONTROLLED SWITCHBOARD

FEATURES

Approved by State of California,
Division of Industrial Safety

Easily portable —

Small; light; large casters

May be stacked one on another

Designed for D.C. operation,
adaptable to A.C. by Rectifier
Accessory.

SPECIFICATIONS

CONSTRUCTION:

Sheet steel cover.
4-inch rubber-tired casters
Bar handles, both ends.
Lifting eye in top center.
Four caster cups for stacking.
100 feet of cable to control box and with twist-lock plug for
attaching to board.

INPUT POWER SUPPLY:

Three 6-inch bus bars in back.
Use 120-240 volts with center bar neutral.

TAKE-OFF POWER DISTRIBUTION:

Two sets of three 6-inch bus bars with each outside bar fused
for 200 amperes (800 amperes capacity).
Power to each set supplied through a double-pole contactor
having heavy-duty renewable contacts with magnetic blow-out
coils and arc shields.
Two circuits each producing 120-240 volts with center bar neutral.

CONVERSION TO AC:

While the board is built for DC operation, it may be converted
to AC operation. We will supply details upon request.

CONTROLS:

Remote control is by 3 switches mounted in a box at the end of
100 feet of cable. There is one switch for each contactor and
one master for the entire board.

The above control box also contains 3 twist-lock receptacles for
extending each of the circuits controlled by the 3 switches.

One 10-ampere fuse to protect contactor control circuits.

SAFETY FEATURES:

Rubber flaps over back and front bus bars.

Insulation barriers between intake bus bars and between bus bars
and frame.

Take-off bus bars recessed.

Two switches at the board de-energize when it is being serviced
or cables connected.

SIZE: 12½ inches wide, 34½ inches long, 21 inches high.

WEIGHT: Board 133 pounds, cable 15 pounds, total 148 pounds.

FINISH: Baked maroon enamel.



TRANSFORMER



TYPE 176 30KVA, 3 PHASE, 60 CYCLE TRANSFORMER

FEATURES

Low noise level

Controls 120-volt output to a total of 255 amperes

Six stage pockets or bus bars provide wide utilization range

Designed to convert high voltage to useable voltage

Especially useful where high voltage is available

SPECIFICATIONS

INPUT (PRIMARY) POWER SUPPLY:

208-240 or 480 Volts—3 Phase
Line current for 208 volts, 83 amperes
Line current for 240 volts, 72 amperes
Line current for 480 volts, 36 amperes
Cable: 12 feet #4, 4-conductor rubber-covered
Without plug (we will attach plug, at additional cost, to suit your particular needs).
100-Ampere breaker on front panel

OUTPUT (SECONDARY) POWER SUPPLY:

255 amperes total, 120 volts.
Front—Recessed:
Six Type III structural plug receptacles, of full plug size, in three pairs, distribute 3-phase current at 85 amperes per phase.
Breakers for each phase—plug receptacle or bus bar.
Secondary voltmeter 0 to 150 volts
Tap changer is 3-phase with seven positions to correct output voltage for any changes in input voltage from nominal 208, 240 or 480 volts.
Pilot light indicates transformer energized.
End—Recessed:
Four bus bars provide most versatile facilities for attaching lugged cables of 2 or 3 conductors—120/208 volts 3-phase.
Neoprene curtain.

INTERIOR:

Tap changers on primary for 208-240 or 480 volts with diagram of instructions for changing.

CONSTRUCTION:

Angle iron frame.
Sheet-steel cover.
Chrome-plated handles both ends.
Two lifting eyes on top also act as top hold down.
Casters: 6-inch, round-tread, rubber-tired, ball-bearing; two swivel two stationary.

WEIGHT: 790 pounds.

MEASUREMENTS:

Height: 44 inches.
Width: 25 inches.
Length: 43½ inches.

FINISH: Baked maroon enamel.



DIMMER COMBINATION

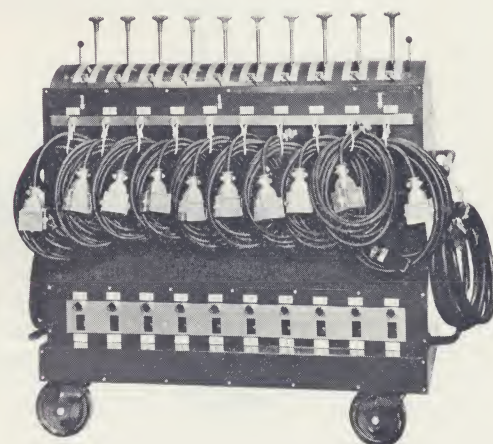
Dimming facilities are a very necessary tool for the control of illumination on the set. Proper design to meet individual requirements is a feature of our dimmer boards.

The dimmer board pictured at the left and described below is one in common usage in the Hollywood studios where experience has proved the combination of dimmer plate wattages contained in the board.

You, however, may have different needs and we will be happy to quote on your specifications as to quantity and wattages of plates.



TYPE 367 DIMMER COMBINATION



SPECIFICATIONS

LEVER OPERATING SURFACE:

Adjustable cue stops to set limits of lever travel.
Graduated scale for repeat settings.
Plain cue strip for special marking.
Plastic knobs colored for different wattages.
Levers will operate single plates or a turn of the knob will interlock any combination.
Lever at each end for interlocking.
Kilowatt sequence of dimmers, left to right 5-2-2-1-1-1-1-2-2-5.

SWITCH OPERATING SURFACE:

One silent-acting knife switch to each dimmer.
One numbered pilot light to each switch.
Entire knife switch and pilot light panel hinged for servicing.

FRONT: (Pictured above)

Double-pole circuit-breakers, on hinged panel, protect dimmer circuits.
Easily removed panel for maintenance.
12-inch platform rolls out on full-suspension slide rails.
Platform covered with skidproof rubber mat.

ENDS:

Chrome-plated rails for push-pull moving board.
Power supply cables — 120 volt AC or DC.
Each end has 25 feet with Type 100A plug.
Each cable provides power for half of the board.
Each half of the board requires 92 amperes — 11kw.
Each half is independent — AC and/or DC may be used.

BACK:

Full stage pocket (Type 111 See Page 48) and numbered pilot light for each circuit.
Distribution cables — Ten, 25 feet each.
1- and 2-KW cables have Type 50 plug on one end and in-the-line twist lock connections for inserting extensions.
5 KW cables have Type 100A plug on one end.
All cables have 1-hole plugging box (rubber or aluminum cover) on one end.
Tie-up cords provided for storing cables.
Easily removed panel for maintenance.

DIMMER PLATES:

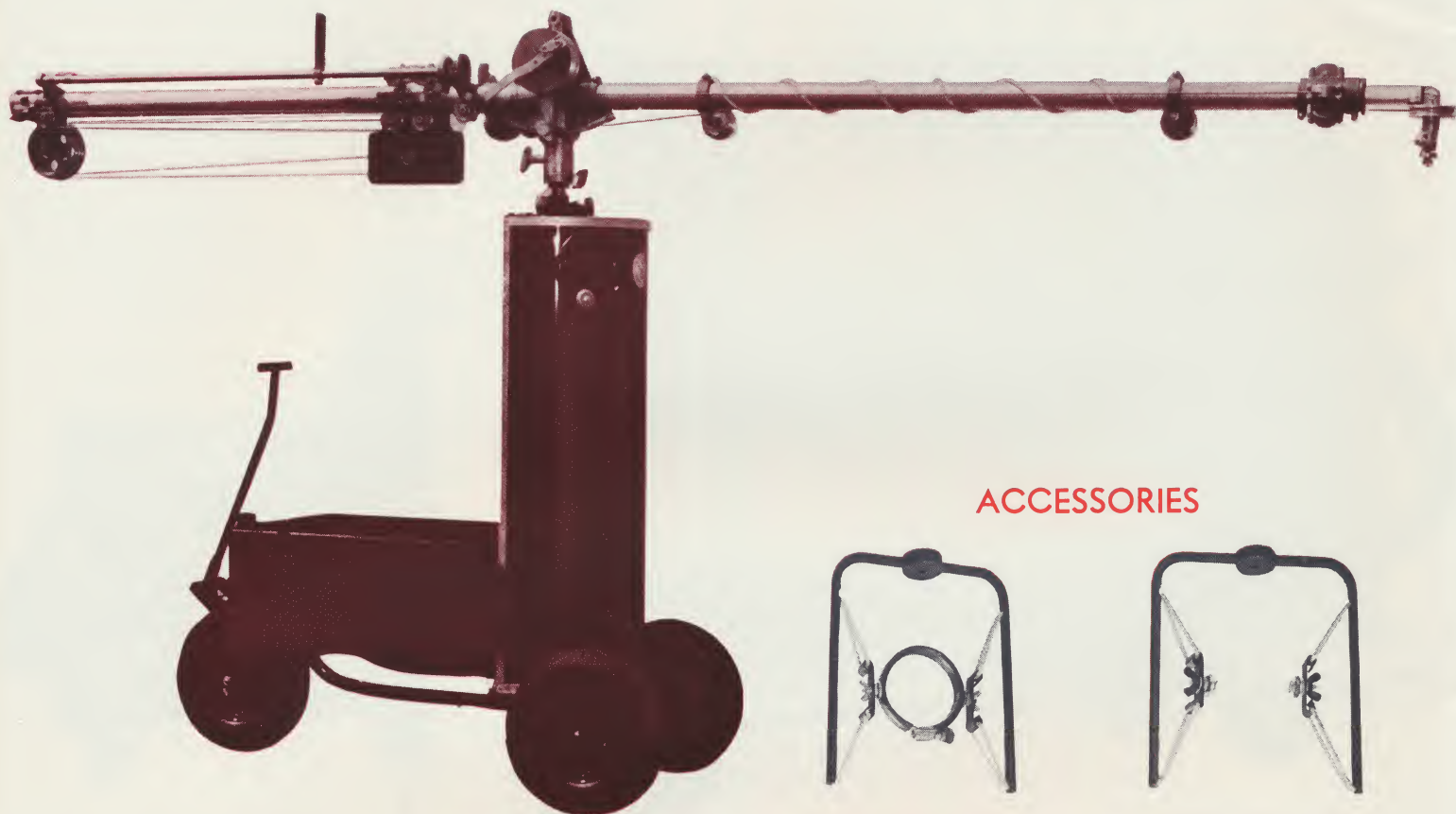
Ward Leonard resistance type — Rectangular contacts.
All plates have usual wattage range.
Four 1KW, Four 2KW and Two 5KW.
Operated by silent gear drive.

GENERAL:

Bottom opens for ventilation when platform out.
All moving parts insulated for noise suppression.
Each circuit separately numbered at the knife switch, stage pocket, both ends of distribution cables and cable tie-up cord.
Canvas cover included.
Casters: 9-inch, Ball-bearing, Rubber-tired, Round tread, swivel.
Weight: 940 pounds.
Size: Height — 59 inches.
Width — 27 inches.
Length — 62 inches.
Color: Baked maroon enamel.



MICROPHONE BOOM AND PERAMBULATOR



TYPE 103B MICROPHONE BOOM
MOUNTED ON TYPE 126B PERAMBULATOR

ACCESSORIES



MICROPHONE HANGER
Clamp Type



MICROPHONE HANGER
Stud Type

SPECIFICATIONS

MICROPHONE BOOM

CONSTRUCTION:

Aluminum tubing and castings.
Malleable iron counterweight box for lead weights.
Flax control cords.
Rubber rollers on moving parts.
Oilless bearings.

FEATURES:

Automatic counterbalancing.
Microphone facing through 320°.
Elevation and depression on pendulum.

LENGTH:

Over All	13 Ft. 4 In.
From Center — Retracted	7 Ft. 8 In.
Extended	17 Ft.

WEIGHTS:

Boom	75#
Counterweight Box	19 1/2
Lead weights 9 at 1 3/4#	15 3/4
Total	110 1/4#

SPECIFICATIONS

PERAMBULATOR

CONSTRUCTION:

Steel Frame.
Brass Castings.
Pneumatic tires 4:00x8
Rubber matting on platform.

FEATURES:

Distance from boom to platform adjustable to operator height.
Steering wheel swivels 180°.
Tiller handle operated brake.
Screw operated elevation.
Adjustable width of rear wheels 29 inches to 50 inches.
Drop leaf platform.
Boom and platform elevate at same rate.

MEASUREMENTS:

Height: Low at boom	5 Ft. 3 In.
High at boom	8 Ft.
Low at platform	2 Ft. 2 In.
High at platform	4 Ft. 9 In.
Length	5 Ft. 6 In.
Width	2 Ft. 5 In.

WEIGHT: 425 pounds.

FINISH: Baked maroon enamel.



TYPE 40 HEAD MOUNTED ON
TYPE 4066A PEDESTAL

ACCESSORY

Type 515 Shutter.

PICTURE AND DESCRIPTION ON PAGE 37

FOR A POWER-DRIVEN PEDESTAL,
SEE THE MOLEVATOR, PAGE 30

DUARC

FEATURES

Fully automatic twin arc

Used for floor or overhead lighting

Dual arc feeding mechanisms each with motor

Quiet in operation for sound stages

Ideal for lighting backings and for fill light

SPECIFICATIONS

CURRENT:

115-120 Volts, 40 Amperes, D.C. only.

CARBONS:

Positive, 8mm x 12" CC MP Studio.

Negative, 7mm x 9" CC MP Studio.

OPERATING MECHANISM:

Completely automatic striking and feeding.
Two-motor drive.

Ballast resistance integral part.

Toggle switch on side.

CONSTRUCTION:

Housing: Insulated sheet steel.

Aluminum castings.

Rear door for servicing.

Reflector: In removable aluminum frame.

Diffuser: Heat resisting glass.

Cable: 25-feet with stage plug.

PEDESTAL:

Low: 36 inches.

High: 80 inches (2 extensions).

Pedestal Top to Light Center: 20 inches.

FINISH:

Baked maroon enamel.

WEIGHT:

Head	110 pounds
Cable	9 pounds
Pedestal	30 pounds
Total	149 pounds



TYPE 90 HEAD MOUNTED ON
TYPE 90140 PEDESTAL (GRID AND CABLES PART OF HEAD)

ACCESSORIES See pages 36-37-38

Type 41560 2-Leaf Barn Door
Type 41560A 4-Leaf Barn Door
Type 41548A Diffuser Frame
Type 41549A Set 3 Snoots
Type 41563S Single Lamp Scrim
Type 41562S Half Single Lamp Scrim
Type 41563D Double Lamp Scrim
Type 41562D Half Double Lamp Scrim
Type 514 Shutter
Type 1861 Iris
Type 41572 4-Blade Sliding Barn Door

PEDESTAL SUBSTITUTION

FOR A POWER-DRIVEN PEDESTAL,
SEE THE MOLEVATOR, PAGE 30

120 AMPERE MOLARC

FEATURES

Specially designed lens.

Ideal photographic illumination at 8° to 44° divergence.

Quiet in operation for sound stages.

High brilliance means fewer sources.

Ideal for key light.

SPECIFICATIONS

Current: 120 Amperes, 115 Volts, D.C. only.

Carbons: Positive 13.6mm x 22" pregraphited.
Negative 7/16"x8 1/2" MP Studio.

Optics: 14" Fresnel lens of Pyrex glass.

Arc Mechanism:

Motor: Specially designed and mounted for quiet operation.
Switch: Double-pole, heavy-duty, snap-action of M-R design with male pin-plug receptacles.

Rear Housing Controls: Striker arm, manual control knobs for positive and negative carbons, rheostat for carbon feed rate, and tilting handle, all marked as to operation.

Carbon Burning Element: Positive carbon rotates at correct speed for the formation of a symmetrical crater; both positive and negative carbons feed continuously and nonintermittently. All metal insulation and bearing materials selected for the special application required by high operating temperatures.

Polarity Indicator

Housing: Cast aluminum frame, sheet steel sides; two large doors on side for operation. One door in the bottom for clean-out; 4 peep holes with arc viewing glass; open top for ventilation; asbestos lining for sound and heat insulation.

Yoke: U-shaped of steel tubing with brass castings.

Grid (Ballast Resistance): Separate unit; ample ventilation; provision for mounting on pedestal for transportation and storage.

Cables: Power supply 25 feet attached to grid with lugs on other end for connection to power supply. Leads from grid to lamp head, two asbestos-covered extra-flexible copper 7-foot lengths with grid on one end and female pin-plugs on other end.

Pedestal: Braced steel tubing; rubber-tired casters. Measurements: Low, 42 inches; high, 72 inches; pedestal top to lens center, 27 inches. Single extension.

Finish: Baked maroon enamel.

Weight:

Lamp head	144 pounds
Grid and cables	66 pounds
Pedestal	38 pounds
Total	248 pounds



TYPE 170 HEAD MOUNTED ON
TYPE 4504 PEDESTAL (GRID AND CABLES PART OF HEAD)

ACCESSORIES See pages 36-37-38

Type 41616	2-Leaf Barn Door
Type 41616A	4-Leaf Barn Door
Type 41699A	Diffuser Frame
Type 41610IS	Single Lamp Scrim
Type 416100S	Half Single Lamp Scrim
Type 41610ID	Double Lamp Scrim
Type 416100D	Half Double Lamp Scrim
Type 513	Shutter

150 AMPERE MOLARC

FEATURES

Specially designed lens

Ideal photographic illumination at 8° to 48° divergence

Quiet in operation for sound stages

High brilliance means fewer sources

Ideal for key light

PEDESTAL SUBSTITUTION

FOR A POWER-DRIVEN PEDESTAL,
SEE THE MOLEVATOR, PAGE 30

SPECIFICATIONS

Current: 150 amperes, 115 volts, D.C. only.

Carbons: Positive 16 mm x 20" pregraphited.
Negative 1/2" x 8 1/2" MP studio.

Optics: 20" Fresnel lens of Pyrex glass.

Arc Mechanism:

Motor: Specially designed and mounted for quiet operation.

Switch: Double-pole, heavy-duty, snap-action of M-R design with male pin-plug receptacles.

Rear Housing Controls: Striker arm, manual control knobs for positive and negative carbons, rheostat for carbon feed rate, and tilting handle, all marked as to operation.

Carbon Burning Element: Positive carbon rotates at correct speed for the formation of a symmetrical crater; both positive and negative carbons feed continuously and non-intermittently; all metal insulation and bearing materials selected for the special application required by high operating temperatures.

Polarity Indicator

Housing: Cast aluminum frame; sheet steel sides; two large doors on side for operation; one door in the bottom for clean-out; 8 peep holes with arc viewing glass; open top for ventilation; asbestos lining for sound and heat insulation.

Yoke: U-shaped of steel tubing with brass castings.

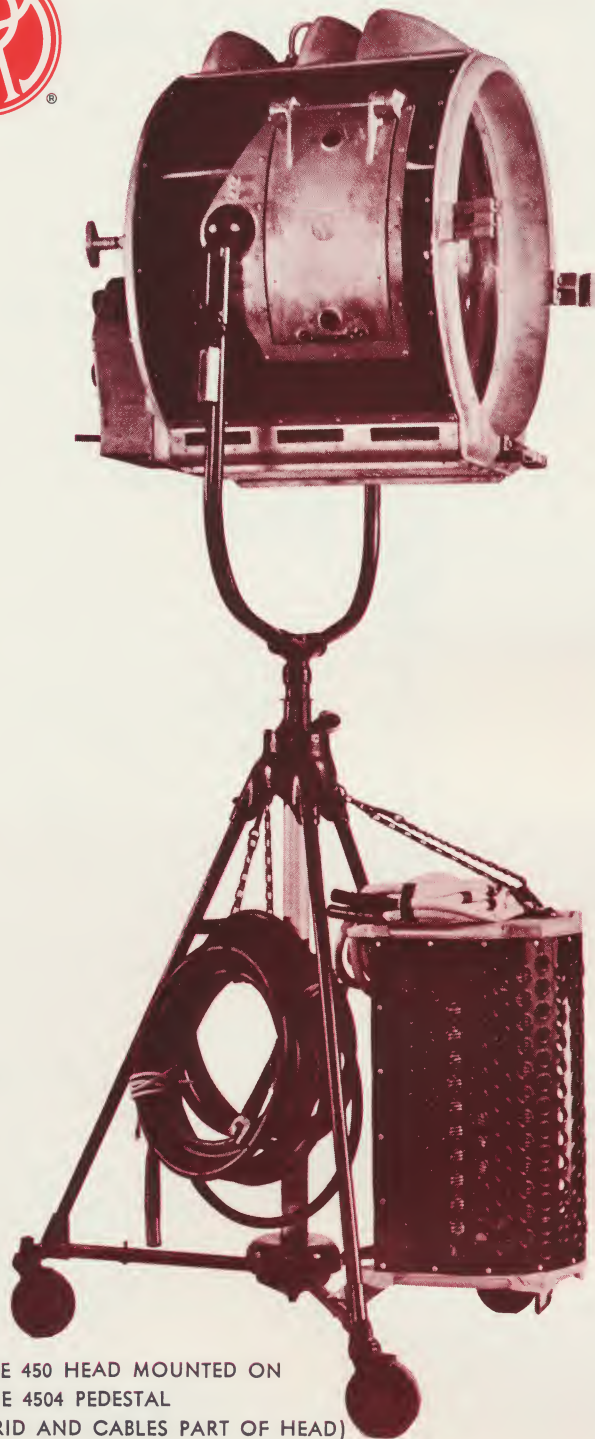
Grid (Ballast Resistance): Separate unit; ample ventilation; provision for mounting on pedestal for transportation and storage.

Cables: Power supply, 25 feet attached to grid with lugs on other end for connection to power supply. Leads from grid to lamp head, two asbestos-covered extra-flexible copper 8-foot lengths with grid on one end and female pin-plugs on other end.

Pedestal: Braced steel tubing; crank-operated, mechanical extension; ball-bearing, rubber-tired casters. Measurements: Low, 50 inches; high, 83 inches; pedestal top to lens center, 30 inches. Single extension.

Finish: Baked maroon enamel.

Weight: Lamp head	181 pounds
Grid and Cables	80 "
Pedestal	82 "
Total	343 "



TYPE 450 HEAD MOUNTED ON
TYPE 4504 PEDESTAL
(GRID AND CABLES PART OF HEAD)

ACCESSORIES See pages 36-37-38

Type 450260 2-Leaf Barn Door
Type 450267 4-Leaf Barn Door
Type 450481A Diffuser Frame
Type 450511S Single Lamp Scrim
Type 450512S Half Single Lamp Scrim
Type 450511D Double Lamp Scrim
Type 450512D Half Double Lamp Scrim
Type 518 Shutter
Type 450681 Lens Guard

PEDESTAL SUBSTITUTION

FOR A POWER-DRIVEN PEDESTAL,
SEE THE MOLEVATOR, PAGE 30

225 AMPERE BRUTE MOLARC

FEATURES

Academy Award Winner

Specially designed lens.

2 to 3 times the light output of the Type 170 Molarc
with 50% more power.

Ideal photographic illumination at 12° to 48° divergence.

Quiet in operation for sound stages.

High brilliance means fewer sources.

Ideal for key light.

SPECIFICATIONS

Current: 225 amperes, 115 volts, direct current only.

Carbons: Positive: 16mm x 22" Super H. I. Studio Positive
16mm x 22" Super H. I. Y. F. Studio Positive.

Negative: 17/32" x 9 Special C. C. Negative.

Optics: 24 3/4" diameter curved Fresnel lens of Pyrex glass.

Arc Mechanism: (Control compartment and carbon burning element, joined for ease in removal for servicing).

Control Compartment: Mounted on rear of housing for minimum operating temperatures, and containing:

Motor: Specially designed and mounted for quiet operation.

Switch: Double-pole, heavy-duty, snap-action of M-R design with male pin-plug receptacles.

Controls: Striker arm, manual control knobs for positive and negative carbons, rheostat for carbon feed rate, and tilting clamp handle, all marked as to operation.

Polarity Indicator

Carbon Burning Element: Positive carbon rotates at correct speed for the formation of a symmetrical crater; both positive and negative carbons feed continuously and nonintermittently; all metal, insulation, and bearing materials selected for the special application required by high operating temperatures.

Housing: Cast aluminum frame, aluminum sides; one large door on the side for operation; one door in the bottom for clean-out; 5 peep holes with arc viewing glass; louvered top for ventilation; asbestos insulation with perforated sheet metal liner for sound and heat insulation.

Yoke: U-shaped of steel tubing and brass fittings.

Grid (Ballast Resistance): Separate unit; ample ventilation, male pin-plug receptacles for lamp and power supply connections; provision for mounting on pedestal for transportation and storage.

Cables: Power supply, two single-conductor rubber-covered 25-foot lengths with female plug on one end for connection to grid and lug on other end for connection to power supply. Leads from grid to lamp head, two rubber-covered extra-flexible copper 15-foot lengths with female plugs on both ends.

Pedestal: Braced steel-tubing tripod; crank-operated mechanical extension; ball-bearing, rubber-tired casters. Measurements: Low 50 inches; high, 83 inches; pedestal top to lens center, 30 inches. Single extension.

Finish: Maroon, and natural aluminum.

Weight:	Lamp Head.....	225 pounds
	Pedestal	80 "
	Grid	67 "
	Power supply cables	30 "
	Grid leads	18 "
	Total.....	420 "

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Magic is the word, nothing less, to describe all the photographic tricks and ideas revealed in this book. 280 pages.

AMERICAN CINEMATOGRAPHER MANUAL

Published in 1960 by the American Society of Cinematographers. It is the most complete handbook of authentic cinematographic data, tables, and charts ever assembled.

ANIMATION ART IN THE COMMERCIAL FILM By Eli L. Levitan

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This volume follows "Animation Art in the Commercial Film" and thus forms a part of a unique two-volume basic introduction to the whole field of commercial animation. 192 pages profusely illustrated.

AN INTRODUCTION TO COLOR By Ralph M. Evans

Here is the first work to cover the combined effects of the properties of colored light, the properties of vision and the action of the mind in interpreting color. 340 pages, 305 illustrations.

AN INTRODUCTION TO THE SCIENCE OF PHOTOGRAPHY By Katherine Chamberlain

This book explains in easy-to-understand terms the basic principles of photography. 73 illus. 292 pages.

FRED ARCHER ON PORTRAITURE (Second Edition) By Fred Archer

The author supplies specific, easily understood methods by means of which the photographer can see for himself when the lights he is using are correctly placed for his subject and the effect he desires. 224 pages and 211 photographs.

AUDIO CONTROL HANDBOOK By Robert S. Oringel

Step-by-step operating directions, in non-technical language. 160 pages. 130 photos and diagrams, glossary of terms.

THE AUDIO CYCLOPEDIA By Howard M. Tremaine

Concise, accurate explanations of all subjects in the fields of: basic sound principles, acoustics, recording, reproduction, audio equipment, optical film recording, audio test instruments and measurements, installation techniques, latest stereo information. 1280 pages, 1600 illustrations.

CAMERA LENSES By Arthur Lockett

The theoretical aspects are dealt with in simple language and the characteristics of all important types of lenses are adequately described. 142 pages. Many pictures and diagrams.

CAMERA PORTRAITURE By Herbert Williams

Every step in creating a portrait is covered with knowledgeable care. 192 pages profusely illustrated.

CAMERA TECHNIQUES By H. J. Walls

For serious photographers who want a thorough and scientific treatment on all advanced aspects of photography. 305 illustrations, 384 pages.

THE CINEMA AS A GRAPHIC ART By Vladimar Nilsen

First published some 20 years ago, this reissued work was and remains one of the most important studies ever written on the creative use of the motion picture camera. 227 pages, illustrated.

COLOR IN BUSINESS, SCIENCE, AND INDUSTRY By Deane B. Judd

Dr. Judd integrates the physical, psychological and physiological concepts of color, instead of presenting them separately. 401 pages, diagrams and illustrations.

COLOR MOVIE MAKING FOR EVERYBODY By Canfield Cook

Featuring the question-and-answer technique this book has chapters on equipment, lenses, the handling of the camera, indoor and outdoor lighting, filters, continuity, composition, trick effects, editing, titling, projecting the film, taking care of your film and sound. 351 pages.

COMMERCIAL AND INDUSTRIAL PHOTOGRAPHY By David Charles

The growing importance of photography in advertising, science, and industry has created an urgent demand for a book which provides comprehensive and practical coverage of the subject. 402 pages, photographs, and drawings.

THE COMPLETE TECHNIQUE OF MAKING FILMS By P. Monier

Translated from the French, this book brings a fresh and different outlook. 304 pages, illustrated.

CORRECTIVE PHOTOGRAPHY By Lewis L. Kellsey

Written for the user of still cameras in the commercial, industrial, and portrait fields. 110 pages, many illustrations and diagrams.

CREATIVITY By Paul Smith

An examination of the creative process. Presents many intriguing ways to look at the creative process, the creative method, the creative individual, the creative attitude, the creative approach to life. 210 pages, 100 illustrations.

THE DOLLARS AND SENSE OF BUSINESS FILMS By Association of National Advertisers

This book represents an analysis of the actual cost and circulation records of 157 important business films. 128 pages, 121 illustrations and tables.

ELECTRONIC MOTION PICTURES By Albert Abramson

The advent of the electronic camera, ultimately eliminating the film camera, film projector, and film itself, will bring new flexibility and precision to the shooting process. This study of the development and potentialities of the electronic camera traces the research developments which constitute the foundation of the new techniques. 224 pages, 79 illustrations.

ELEMENTS OF COLOR IN PROFESSIONAL MOTION PICTURES

Written by a committee of the Society of Motion Picture and Television Engineers. Many color photographs for illustration and comparison. 104 pages.

ELEMENTS OF MATHEMATICS FOR RADIO, TELEVISION AND ELECTRONICS By Bernhard Fischer and Herbert Jacobs

Starting with the simplest arithmetic, this easily understood book takes the reader through each procedure in the math needed by technicians. Over 3000 examples for practice. 569 pages.

ELEMENTS OF SOUND RECORDING By John G. Frayne and Halley Wolfe

The authors' efforts have been directed to writing a book that will give useful information on basic sound problems to the practical designer, operating engineer, or technician. 686 pages, 483 illustrations.

EXPOSURE By W. F. Berg

Dr. Berg is recognized as one of the world's leading authorities on the theory underlying the behavior of photo-sensitive materials. Thus his new book contains all the fundamental instruction expected of a text book but presented in language acceptable to those who have not had the benefit of a scientific training. 447 pages. Many illustrations.

**EXPOSURE MANUAL** By J. F. Dunn

Designed to help every photographer—amateur and professional—to understand the basic requirements of available exposure to techniques and how to apply them in the most appropriate manner. Over 100 illustrations. 268 pages.

EYE, FILM, AND CAMERA IN COLOR PHOTOGRAPHY

By Ralph M. Evans

The first major work to apply the psychology of vision to photography. 410 pages, many photographs, including 16 pages in color.

FILM AND THE DIRECTOR By Don Livingston

Offers a wealth of practical ideas and expert advice on films—whether TV, movie, entertainment, business, educational. 209 pages.

FILM AND ITS TECHNIQUES By Raymond Spottiswoode

An authoritative work that deals with ideas for a documentary film and how they are embodied in a script. Explains how a production unit is assembled, the mechanism of the camera, the creative process of editing, optical printing, the film library and negative cutting. There is a glossary of film terms at the close. Amply illustrated with line drawings. 516 pages.

FILM AS ART By Rudolph Arnheim

This is a book of standards, a theory of film. The greater part of it is an adaptation of "Film," originally published in 1933—a book long out of print but still in demand. 230 pages.

FILM MAKING FROM SCRIPT TO SCREEN By Andrew Buchanan

With an objective, critical approach, this book deals with the fundamentals of visualization, the function of equipment, and the principles of editing.

THE FOCAL ENCYCLOPEDIA OF PHOTOGRAPHY

This monumental reference, over 10 years in preparation, contains 1 1/4 million words in 2,000 articles written by 197 authors from 23 countries on the vast technology of photography, summing up scientific theory and practice, including recent developments. 1500 diagrammatic illustrations, 400 photographs, 1468 pages.

FUNDAMENTALS OF PHOTOGRAPHIC THEORY (Revised Edition)

By James and Higgins

This book is intended to give a general account of the theory of the photographic process based on fundamental chemical and physical concepts. Copiously illustrated with drawings, photographs, charts, and tables. 356 pages.

FUNDAMENTALS OF PHOTOGRAPHY By Paul E. Boucher

A comprehensive book that carefully explains photographic theory and practice from the use of the hand camera to the intricate processes of motion picture work. 473 pages plus appendices.

A GRAMMAR OF THE FILM By Raymond Spottiswoode

A study of the cinema as a prospective art form, presenting aesthetic, technical, and historical discussions of the motion picture. Defines technical terms, describes the basic tools, and clarifies the concepts of the cinema. 328 pages. Illustrated.

GRAPHIC GRAFLEX PHOTOGRAPHY

By Willard D. Morgan and Henry M. Lester

Top-notch techniques used by professionals and prize-winners show you new ways to better color, portraits, baby pictures, industrial and sales, etc., in this master book for the larger camera. Hundreds of fine illustrations, a lavish color section. 424 pages.

A HALF CENTURY OF COLOR By Louis Walton Sipley

An historical account of the growth of color photography and color reproduction during the first half of this century. 247 illus. 216 pages.

HANDBOOK OF BASIC MOTION-PICTURE TECHNIQUES

By Emil E. Brodbeck

Mr. Brodbeck starts with a thorough discussion of mechanics and techniques of the camera, lenses, exposure, etc. He then takes up, one by one, the ten stumbling blocks in motion-picture making. 200 illustrations, 311 pages.

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HOLLYWOOD FILM PRODUCTION MANUAL

Contains an exceptionally wide range of information helpful in preparing picture budgets. Hollywood, New York and Mexico are all included. Contains such information as: Complete labor contracts; rental rates for various equipments, wage rates; location information; transportation rates and mileages; and other valuable information.

Supplement changes included in above price until July 1; after that by subscription per year.

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HOW TO DIRECT FOR TELEVISION By William I. Kaufman

Down-to-earth information and advice on the director's problems in live television production. 96 pages.

HOW PHOTOGRAPHY WORKS By Dr. H. J. Walls

Hailed by professionals as a milestone in technical publishing. It is a comprehensive reference that explains exactly what photography is, how it operates and what can be done with it. 352 pages, glossary and index, illustrated.

HOW TO SHOOT A MOVIE STORY By Gaskill and Englander

Fourteen chapters of step-by-step instructions and illustrations. 136 pages.

HOW TO WRITE AND DIRECT FOR TELEVISION By William I. Kaufman

In short, pungent articles specially written for this book, ten successful writers and script editors give specific advice on what it takes to create saleable TV scripts.

INTRODUCTION TO PHOTOGRAPHIC PRINCIPLES By L. Larmore

Cameras, optics, films, image formation and its measurement, processing, chemistry and color are all presented in orderly, succinct chapters. 229 pages.

LEICA MANUAL AND DATA BOOK

By Willard D. Morgan and Henry M. Lester

Cameras, lenses, accessories, new fast black and white and color films, flash and all the modern aids to better photography are fully explained. Hundreds of illustrations, many in color. 456 pages.

LIGHTING FOR PHOTOGRAPHY By W. Nurnberg

Over a hundred examples analyze the lighting styles of master photographers on both sides of the Atlantic. It is a treasure trove of lighting ideas. 172 pages, 137 photographs, 149 diagrams.

LIGHTING FOR PORTRAITURE By Walter Nurnberg

Covers in unique manner hundreds of possible portrait lightings. Presents numerous examples of excellent portraiture by various well known photographers, with an analysis of each. 189 pages, 245 photographs, 264 diagrams.

MAGNETIC TAPE RECORDING By H. G. M. Spratt

The technique of magnetic tape recording is of much wider application than those which are limited to sound recording. Engineers will find this an invaluable source of information. 319 pages, illustrations and diagrams.

MAKE YOUR OWN STEREO PICTURES By Julius B. Kaiser

Here's how to have fun with stereo with or without a stereo camera. Careful instruction is given on composition, lighting, focal length for close-ups and distance shots, indoors or outdoors. The discussion of cameras and equipment also make this work an excellent buying guide. 84 illus. 340 pages.

OPTICS, THE TECHNIQUE OF DEFINITION By Arthur Cox

Has been called the only book dealing at all thoroughly with the optics of photography in a language which the ordinary photographer can understand. 376 pages.

MEDICAL PHOTOGRAPHY By T. A. Longmore

Covers both X-ray and clinical work. Only reference book on the subject. 990 pages, profusely illustrated.

MORTENSEN ON THE NEGATIVE By William Mortensen

The author's thesis is that the demand of the rank amateur has resulted in negatives which are over-exposed and under-developed, making for negatives without gradation and brilliance. 283 pages. illustrated.

**MOTION PICTURE PRODUCTION FOR INDUSTRY** By Jay Gordon

This book thoroughly covers production planning, script preparation, directing the action, photography, art and animation, editing rough copy and distributing the film. 384 pages, illustrated.

THE MOVIES By Richard Griffith and Arthur Mayer

Besides being a delightful book to browse through for its entertaining presentation of sixty movie-making years, this book provides an excellent reference work for the study of techniques as they have developed over the years. 1500 illustrations, 442 pages.

MOVIES FOR TV By John H. Battison

Here is the most practical kind of instruction on all the do's and don'ts of movies for televising. You'll find hundreds of details on:

- Making titles and special effects, such as wipes, fades and dissolves
- Lighting suitable for TV
- Color combinations and tones for TV
- Editing, splicing and newsreel and commercial requirements
- Scene planning—both interior and exterior

376 pages

MOVIE TECHNIQUES FOR THE ADVANCED AMATEUR

Translated from French. Over 200 illustrations and drawings. 160 pages.

ODHAMS MANUAL OF PHOTOGRAPHY

Compiled and written by fourteen experts. Every aspect of photography is covered (interior, exterior, color and monochrome); and differences in the technique of photographing landscapes, people, buildings and animals are clearly explained. 352 pages, over 200 illustrations.

PAINTING WITH LIGHT By John Alton, ASC

Written by the Academy Award winner for his photography by "American in Paris". The principles and techniques described in this book provide an unequaled guide to the art of lighting. 191 pages.

PHOTOGRAPHIC CHEMICALS AND CHEMISTRY (Third Edition)

By J. Southworth and T. L. J. Bentley

An English book for photographers who want to understand the chemistry of the processes they use daily, and the properties of the chemicals they handle. 128 pages.

PHOTOGRAPHIC CHEMISTRY—VOL. 1 and 2 By Pierre Glafkides

While, of course, primarily concerned with chemistry this very large work also is inevitably involved with the many other aspects of photographic theory. 500 pages, illustrations, charts, in each volume.

PHOTO DICTIONARY

Contains thousands of authentic definitions covering photographic terminology. 128 pages.

PHOTO-LAB INDEX

The largest single collection of photographic facts and data. Over 1400 loose-leaf pages, index, heavy tabbed index guides.

Quarterly supplements to keep the Index up-to-date by subscription.

PHOTOGRAPHIC LENS MANUAL AND DIRECTORY By C. B. Neblette

Here, for the first time, is a world-wide directory of lenses by name, type, use, and manufacturer. 112 pages.

PHOTOGRAPHIC OPTICS By Allen R. Greenleaf

Camera enthusiasts and professional photographers who want more information about different types of photographic lenses, but who do not wish to become involved with mathematical computations, will delight in this lucid explanation of properties and construction of lenses. 81 illus. 214 pages.

PHOTOGRAPHY, ITS MATERIALS AND PROCESSES By C. B. Neblette

The 33 comprehensive chapters contain more than 200,000 words. 500 pages.

PHOTOGRAPHY WITH THE GRAFLEX 22 By John S. Carroll

More fun and better pictures for all twin-lens reflex photographers. 128 pages, fully illustrated.

PHOTOMETRY By J. W. T. Walsh

Long a standard reference on light measurement, emphasis is placed on photoelectric methods. This book is an authoritative guide both to theory and techniques of photometry. Illus. 544 pages.

35 mm PHOTO TECHNIQUE By H. S. Newcombe

The author of this book has ample qualifications for writing in this field. 328 pages, 148 illustrations.

POSING FOR THE CAMERA By Shepard and Meyer

Here is the first authoritative and practical manual to consider the director-photographer, the model, and the camera as a working unit. Profusely illustrated. 184 pages.

PRACTICAL PORTRAIT PHOTOGRAPHY By Falk and Abel

The purpose of this book is to explain and demonstrate simply and clearly the proper use and control of light in your own efforts to portray the human face and figure. Over 200 illustrations. 223 pages.

PRINCIPLES OF CINEMATOGRAPHY (3rd Edition) By Leslie J. Wheeler

The purpose of this book is to bridge a gap in technical information available by reducing highly academic theories written in scientific language to a form completely understandable by the advanced specialist or the advanced amateur. 424 pages, 182 illustrations.

PRINCIPLES OF COLOR TELEVISION By Hazeltine Laboratories Staff

Following a sound basis of principles, including a clear discussion of the quantitative handling of color, the book presents the features of transmitting, receiving, and measuring equipment. 595 pages, 252 illustrations.

PRINCIPLES OF OPTICS By Born and Wolf

The standard reference work in the field of theoretical optics. Illustrations, drawings, and appendices. 803 pages.

PROFESSIONAL CINE PHOTOGRAPHER By Leonard Clairmont

Has for its purpose the improvement in technique of the photographer who has not been in a position to acquire the knowledge of a Hollywood-trained motion picture cameraman such as the author who has spent 25 years in the major motion picture studios. Profusely illustrated. 154 pages paper bound.

RADIO AND TELEVISION MATHEMATICS By Bernhard Fischer

Whenever you need to look up the use of a formula or the correct substitution of numerical values you can quickly find it here. 484 pages.

THE SCIENCE OF PHOTOGRAPHY By H. Baines

A "Plain Man's Guide to the Science of Photography," this book is intended primarily for the non-scientist interested in photography. 319 pages. Many illustrations and drawings.

SCREEN WRITING AND PRODUCTION TECHNIQUES

By Charles W. Curran

This important new manual outlines briefly but thoroughly, in everyday non-technical language, the basic facts about the production of filmed, taped and live television programs, non-theatrical motion pictures, and TV commercials. 224 pages with photos, charts and diagrams.

SENSITOMETRY By L. Label and M. Dubois

This volume starts by explaining fundamentals. It concerns itself with all the basic facts which will help any amateur to understand the many graphs and curves on data sheets of films, plates or papers.

SENSITOMETRY IN PRACTICE By Keith M. Hornsby

The commercial-photographer, the scientist using photography as a tool and the photo-finisher can all benefit from a knowledge of this subject 242 pages.

16 mm SOUND MOTION PICTURES By W. H. Offenhauser, Jr.

An authoritative manual for the professional and amateur. Illustrations and diagrams. 580 pages.

**STEREO REALIST MANUAL** By Willard D. Morgan and Henry M. Lester

All about modern stereo photography by today's leading 3-D experts. Illustrated with hundreds of breathtaking, full-dimension stereos—many in color. See them with the amazing new optical viewer included in every book. 400 pages.

SUCCESSFUL COLOR PHOTOGRAPHY By Andreas Feininger

This edition treats comprehensively such topics as: color photography as a new medium; a short course for the beginner; the nature of color; the nature of color perception; the nature of color film; how to take a color photograph; how to profit from mistakes; and how to present color photographs. 271 pages, illustrated.

SUCCESSFUL PHOTOGRAPHY By Andreas Feininger

A well-planned, compact, practical course in picture taking and all applications of photography. 249 pages, illustrated.

THE TECHNIQUE OF FILM ANIMATION

This long-awaited book depicts how animation can serve in any normal branch of film making—entertainment, instruction, advertising, research—as well as the opportunities it has to offer in analyzing or demonstrating technical processes. 324 pages, 250 illustrations.

THE TECHNIQUE OF FILM EDITING By Karel Reisz

The standard book on editing for films and television. 285 pages with illustrations.

THE TECHNIQUE OF FILM MUSIC

By Roger Manvell and John Huntley

This new volume in the distinguished British Film Academy Series presents techniques from the world's leading film producing centers. 65 photos and 80 musical quotations. 304 pages.

THE TECHNIQUE OF FILM AND TELEVISION MAKE-UP

By Vincent J-R Kehoe

This first book to treat fully all the latest make-up methods and procedures for color and black-and-white processes is a practical guide for both the novice and professional. There are seven appendices of reference material. 200 illustrations, 256 pages.

THE TECHNIQUE OF THE SOUND STUDIO By Alec Nisbett

Deals with the craftsmanship of sound, the sort of thing which makes all the difference between the clumsy misshapen programme which has an air of having happened by accident, and the bold confident line of a professional-sounding job. 288 pages with diagrams.

TECHNIQUES OF MAGNETIC RECORDING By Joel Tall

Brings the many aspects of this exciting new medium into focus. 472 pages, 112 illustrations.

TECHNIQUES OF TELEVISION PRODUCTION By Rudy Bretz

A thoroughly practical guide, this book describes the equipment and materials used in producing television programs. Together with the detailed descriptions of these production elements is much professional advice on their use. 474 pages, many illustrations and diagrams.

THE TELEVISION COMMERCIAL By Harry Wayne McMahan

How to create and produce effective TV advertising. Analyzes the use and advantages of live vs. film production, cartoon, stop motion, photo animation and other techniques. 190 illustrations. 224 pages.

TELEVISION PRODUCTION (THE TV HANDBOOK AND DICTIONARY) By Harry Wayne McMahan

For everyone concerned with the television industry, this encyclopedic handbook of fundamentals—with dictionary features built in—is a unique and authoritative "working tool." 100 illustrations, 232 pages.

THE THEORY OF THE PHOTOGRAPHIC PROCESS
By C. E. Kenneth Mees

The author has synthesized into a clear and organized exposition information formerly scattered in literature throughout the world. It is fully illustrated with diagrams and half tones. Complete bibliographies accompany each chapter. 416 illustrations. 1133 pages.

TV AND FILM PRODUCTION DATA BOOK By Ernest M. Pittaro

Includes standard, as well as specialized information—encyclopedic in scope—compact in form—much of it never published before. Tables are a special feature of the book. 500 pages.

TV AND SCREEN WRITING By Lola G. Yoakem

A compilation of practical knowledge gleaned from actual experience in television, screen, and radio, it was written by 17 working writers. 124 pages including glossary.

TV TAPE COMMERCIALS By Harry Wayne McMahan

A very timely book that clearly explains the what's, why's, and wherefore's, plus some do's and don't's, on the use of tape. 112 pages, 45 illustrations.

UNDERWATER PHOTOGRAPHY

By Hilbert J. Schenck and Henry Kendall

Covers the many new cameras and enclosures now offered for sale and, even more important, the great improvements in film speeds. Improved techniques in constructing and using strobe and flashbulb assemblies are described. 160 pages, 60 photographs, 16 line illustrations.

VIDEO TAPE RECORDING By Julian Bernstein

The video tape recorder revolutionized the television industry. Here is the only book devoted exclusively to the subject. If there is anything you desire to know about video tape recording here it is. 280 pages well illustrated.



ILLUMINATION TABLES

LIGHT INTENSITY (FC) AND SPOT DIAMETER (DIA) IN FEET AT VARIOUS DISTANCES

* SPOT LAMPS

LAMP TYPE	WATTS	GLOBE NUMBER PAGE 65	AMPS	DISTANCE IN FEET LAMP TO SUBJECT																	
				5		10		15		20		30		40		50		75		100	
				FC	DIA	FC	DIA	FC	DIA	FC	DIA	FC	DIA	FC	DIA	FC	DIA	FC	DIA	FC	DIA
450 ^{①②}			225											450	25.	300	32.	130	48.	70	64.
														7000	3.	5000	4.	2100	6.	1200	8.
170 ^①			150									370	22.5	200	30.	130	38.	55	57.	30	72.
												5500	2.	3000	3.	2000	4.	900	6.	500	8.
90 ^①			120							320	15.	170	22.	90	30.	55	38.	25	57.		
										3200	2.	1700	3.	900	4.	550	5.	250	7.		
416 ^④	10,000	1	83.3							800	11.	400	16.	220	22.	140	28.	60	42.		
										4200	3.	2000	5.	1100	7.	700	9.	320	13.		
415 ^④	5,000 ^⑤	2-3	41.6					330	15.	190	20.	80	30.	45	40.	30	50.				
								3500	2.5	2000	3.5	850	5.	480	7.	320	9.				
412 ^④	2,000 ^⑤	6-7	16.7			480	7.	210	11.	120	15.	50	22.	30	30.						
						4200	1.5	1900	2.	1000	3.	460	4.	260	6.						
	1,000	15	8.3			160	7.	70	11.	40	15.	18	22.								
						2300	1.	1000	1.5	580	2.	260	3.								
407 ^④	750 ^③	22	6.3	580	4.	150	8.5	65	13.	35	17.										
				5800	.75	1500	1.5	650	2.	350	3.										
	500 ^⑤	26	4.2	380	4.	95	8.5	42	13.	23	17.										
				3800	.5	950	1.	420	1.5	230	2.										
2351	200	34	1.7	144	4.	36	8.														
				1680	.6	420	1.2														
2801	200	34	1.7	112	4.5	28	9.														
				920	.6	230	1.2														

FLOOD LAMPS

LAMP TYPE	WATTS	GLOBE NUMBER PAGE 65	GLOBE SIZE	DEGREES KELVIN	DISTANCE IN FEET LAMP TO SUBJECT															
					4		6		8		10		12		14		16			
					FC	DIA	FC	DIA	FC	DIA	FC	DIA	FC	DIA	FC	DIA	FC	DIA	FC	DIA
40 ^③	ARC			4700			670	10.	380	13.	240	16.	170	19.	120	22.	95	26.		
245	5000 ^③	2-3	T or G-64	3350							700	14.	500	17.	370	20.	280	23.		
2231	5000 ^③	2-3	T or G-64	3350	2400	7.2	1070	10.8	600	14.4	385	18.	266	21.6	196	25.2	150	28.8		
2221	2000 ^③	8-7	T or G-64	3350	1080	7.8	480	11.6	270	15.6	173	19.4	120	23.2	88	27.2	67	31.		
2211	750 ^③	22	T 24	3350	400	8.3	178	12.4	100	16.6	64	20.8	44	24.9	32	29.	25	33.2		
16	1000	14	PS-35	3400			600	7.	340	9.	220	12.	150	14.	110	17.	85	19.		
	1000	19	PS-40	3200			500	7.	280	9.	180	12.	130	14.	90	17.	70	19.		
	500	30	PS-25	3200	560	5.	250	7.	140	9.	90	12.	65	14.	45	17.	35	19.		
1000	500	27-28	PS-40	3000	420	5.	180	7.	100	9.	65	12.	45	14.	35	17.				
	1500	13	PS-52	3200	675	8.	300	12.	170	16.	110	20.	75	24.	55	28.	40	32.		
	1500	11-12	PS-52	3050	560	8.	250	12.	140	16.	90	20.	65	24.	45	28.	35	32.		
	1000	14	PS-35	3400	560	8.	250	12.	140	16.	90	20.	65	24.	45	28.	35	32.		
	1000	19	PS-40	3200	470	8.	210	12.	120	16.	75	20.	50	24.	40	28.				
	1000	18	PS-52	3200	470	8.	210	12.	120	16.	75	20.	50	24.	40	28.				
	1000	16-17	PS-52	3050	380	8.	160	12.	90	16.	60	20.	40	24.	30	28.				
	750	24-25	PS-52	3000	260	8.	120	12.	65	16.	40	20.	30	24.						
23 (2 GLOBES)	500	27-28	PS-40	3000	150	8.	65	12.	35	16.										
	1500	13	PS-52	3200	675	12.	300	18.	170	24.	110	30.	75	36.	55	42.	40	48.		
	1500	11-12	PS-52	3050	560	12.	250	18.	140	24.	90	30.	65	36.	45	42.	35	48.		
	1000	14	PS-35	3400	560	12.	250	18.	140	24.	90	30.	65	36.	45	42.	35	48.		
	1000	19	PS-40	3200	470	12.	220	18.	120	24.	75	30.	50	36.	40	42.	30	48.		
	1000	18	PS-52	3200	470	12.	220	18.	120	24.	75	30.	50	36.	40	42.	30	48.		
	1000	16-17	PS-52	3050	380	12.	160	18.	90	24.	60	30.	40	36.	30	42.				
	750	24-25	PS-52	3000	260	12.	120	18.	65	24.	40	30.	30	36.						
22	500	27-28	PS-40	3000	150	12.	65	18.	35	24.										
	1000	14	PS-35	3400	300	8.	140	12.	75	16.	50	20.	35	24.						
	1000	19	PS-40	3200	260	8.	120	12.	65	16.	40	20.	30	24.						
	1000	18	PS-52	3200	260	8.	120	12.	65	16.	40	20.	30	24.						
	750	16-17	PS-52	3050	210	8.	95	12.	55	16.	35	20.								

* The FC and DIA. values shown in the "Spot Lamps" Table represent only those which are typical at the limits of focus. The upper values are measured at maximum flood and the lower values at minimum spot. Intermediate corresponding values of FC and DIA. cannot be accurately interpolated from the table since their relation is not directly proportional.

① Filter light loss: White flame carbon 10% with Y-1; MT-2 plus Y-1, 40%.

② Filter light loss: Yellow flame carbon 15% with YF-101.

③ Filter light loss: White flame carbon 35% with MT-2.

④ Filter light loss: 64% with MacBeth Filter.

⑤ Values are for 3350°K globes—Reduce 15% for 3200°K globes.



LIGHTING FOR COLOR PHOTOGRAPHY

The following information will give you a basis for utilizing MOLE-RICHARDSON LIGHTING EQUIPMENT when photographing with color film. Specific information concerning the color requirements of exposing light for the various color film stocks is published by the various film manufacturers. The technical data given below will enable you to meet these illumination requirements, and applies equally well to all color films having similar color balance characteristics.

When lighting with incandescent equipment, use the particular globe and MOLOCOLOR FILTER, if required, which will produce the color quality of exposing light needed for correct exposure of the color film in the camera. Likewise, when using carbon arc lamps, select the proper carbons

and MOLOCOLOR FILTERS as required. Light from both incandescent and arc equipment may be mixed, providing the globes, carbons, and filters where used, are such that the light from both types of equipment has the same color balance.

MOLE-RICHARDSON LIGHTING EQUIPMENT is specifically designed to deliver correct photo-illumination for color photography. These lights are developed, built, and proved by use in Hollywood where Directors of Photography in the Motion Picture Studios set high standards of photo-illumination. You can depend upon MOLE-RICHARDSON LIGHTING EQUIPMENT to give YOU the same high-quality type of photographic light.

1. MOLE-RICHARDSON LIGHTING EQUIPMENT FOR DAYLIGHT COLOR QUALITY OF EXPOSING LIGHT.

a. ARC LAMPS

TYPE NO.	NAME	CARBONS	MOLOCOLOR FILTER
450	BRUTE	WHITE FLAME	Y-1
170	170	WHITE FLAME	Y-1
90	90	WHITE FLAME	Y-1
40	DUARC	WHITE FLAME	NONE

b. INCANDESCENT LAMPS (Globes listed below by item No.)

TYPE NO.	NAME	①GLOBES—PAGE 65		MOLOCOLOR FILTERS②③
		3200°K	3350°K	
416	TENER	—	1	416B MacBeth or TD-25 Gelatine
415	SENIOR	4-5	2-3	415B MacBeth or TD-25 Gelatine
412 or 2001	JUNIOR	8	6-7	412B MacBeth or TD-25 Gelatine
407 or 751	BABY	23-29	22-26	407B MacBeth or TD-25 Gelatine
Others with suitable globes—TD-25 Gelatine				

2. MOLE-RICHARDSON LIGHTING EQUIPMENT FOR 3200°K COLOR QUALITY OF EXPOSING LIGHT.

a. ARC LAMPS

TYPE NO.	NAME	CARBONS	MOLOCOLOR FILTER
450	BRUTE	YELLOW FLAME④	YF-101
450	BRUTE	WHITE FLAME④	MT-2 and Y-1
170	170	WHITE FLAME	MT-2 and Y-1
90	90	WHITE FLAME	MT-2 and Y-1
40	DUARC	WHITE FLAME	MT-2

b. INCANDESCENT LAMPS

(No filters required with globes listed below by item number)

TYPE NO.	NAME	①GLOBES—PAGE 65	
		3200°K	3350°K
416	TENER	—	1
415	SENIOR	4-5	2-3
412 or 2001	JUNIOR	8	6-7
407 or 751	BABY	23-29	22-26
2231	SENIOR CONELITE	4-5	2-3
2221	JUNIOR CONELITE	8	6-7
2211	BABY CONELITE	23-29	22-26
1000	BELL	13-18-19	—
245	SKYLITE	4-5	2-3
23	DOUBLE BROAD	13-18-19	—
22	SINGLE BROAD	29	22-26
16	CINELITE	19-30	—
2011	5-CLUSTER	—	—
1431	5-LITE STRIP	18-19	—

FOOTNOTES

①The color temperature of light from an incandescent globe changes approximately 10°K per volt in the range near rated voltage. For example, a 120 volt 3200°K globe will operate about 3100°K when its socket voltage is 110 volts. For this reason, some users prefer globes rated at 3350°K, on the basis that they will produce light nearer to 3200°K than globes rated at this value, when operating under their particular actual set voltage conditions.

②Filters specified are designed to provide correct color quality of illumination

when used with 120 volt 3200°K globes operating from a power supply with its voltage maintained at the rated lamp voltage of 120 volts.

③The MacBeth Filters are made of heat resisting glass and will not fade. The TD-25 filters are available in either acetate or gelatine.

④Yellow flame carbon with YF-101 filter has a filter light loss of 15%. White flame carbon with MT-2 and Y-1 filters has a combined filter light loss of 40%.

⑤Color temperature of light is corrected by lamp reflecting surface to approximately 3200°K, when using globe recommended for this unit.



GLOBE TABLE

Item No.	Watts	Ordering Code	Standard Package	Bulb	Base	Filament	Initial Lumens	Hours Life	Degrees Kelvin	Amps at 120V AC or DC
1	10,000	10KG96	1	G-96	Mog. Bip.	C-13	330,000	75	3350	83.3
2	5,000	5M/G64/3	4	G-64	Mog. Bip.	C-13	165,000	75	3350	41.6
3	5,000	5M/T64/1	4	T-64	Mog. Bip.	C-13	165,000	75	3350	41.6
4	5,000	5M/G64/7	4	G-64	Mog. Bip.	C-13	141,000	150	3200	41.6
5	5,000	5M/T64/3	4	T-64	Mog. Bip.	C-13	140,000	150	3200	41.6
6	2,000	2M/G48/14	9	G-48	Mog. Bip.	C-13	65,500	25	3350	16.7
7	2,000	2M/T48/4	6	T-48	Mog. Bip.	C-13	64,000	25	3350	16.7
8	2,000	2M/G48/18	9	G-48	Mog. Bip.	C-13	57,500	100	3200	16.7
9	2,000	2M/T48/1	9	T-48	Mog. Bip.	C-13	57,000	100	3265	16.7
10	2,000	2M/G48/17	9	G-48	Mog. Bip.	C-13	53,000	200	3050	16.7
11	1,500	1500(Clear)	12	PS-52	Mog. Sc.	C-7A	33,000	1000	3050	12.5
12	1,500	1500/IF	12	PS-52	Mog. Sc.	C-7A	33,000	1000	3050	12.5
13	1,500	1500PS52/78	12	PS-52	Mog. Sc.	C-7A	40,000	100	3200	12.5
14	1,000*	DXR	24	PS-35	Mog. Sc.		33,500	10	3400	8.3
15	1,000	1M/G48/8	9	G-48	Mog. Bip.	C-13	25,000	100	3150	8.3
16	1,000	1000(Clear)	12	PS-52	Mog. Sc.	C-7A	21,500	1000	3050	8.3
17	1,000	1000/IF	12	PS-52	Mog. Sc.	C-7A	21,500	1000	3050	8.3
18	1,000	1M/PS52/77	12	PS-52	Mog. Sc.	C-7A	26,500	75	3200	8.3
19	1,000*	ECV	24	PS-40IF	Mog. Sc.	C-7A	26,500	60	3200	8.3
20	1,000	1000/SBIF	12	PS-52	Mog. Sc.	C-7A	20,000	1000	3050	8.3
21	750	750/T24/5	24	T-24	Med. Bip.	C-13	15,000	200	3080	6.3
22	750	750/T24/13	24	T-24	Med. Bip.	C-13	24,500	12	3350	6.3
23	750	750/T24/16	24	T-24	Med. Bip.	C-13	20,500	50	3200	6.3
24	750	750 (Clear)	12	PS-52	Mog. Sc.	C-7A	16,700	1000	3000	6.3
25	750	750/IF	12	PS-52	Mog. Sc.	C-7A	16,700	1000	3000	6.3
26	500	500/T20/60	12	T-20	Med. Bip.	C-13	16,000	8	3350	4.2
27	500*	500 (Clear)	24	PS-40	Mog. Sc.	C-9	9,900	1000	3000	4.2
28	500*	500/IF	24	PS-40	Mog. Sc.	C-9	9,900	1000	3000	4.2
29	500	500/T20/63	12	T-20	Med. Bip.	C-13	13,000	35	3200	4.2
30	500#	ECT	60	PS-25IF	Med. Sc.	C-9	13,650	60	3200	4.2
31	500	Q500T3	12	T-3	Rec. S.C.	C-8	10,500	2,000	3025	4.2
32	500	Q500T3/CL	12	T-3	Rec. S.C.	C-8	10,500	2,000	3025	4.2
33	200**	CWR	24	T-10	D.C. Bay.	2CC-8	4,700	25	3100	1.7
34	200	CCM	24	T-8	D.C. Bay.	2CC-8	4,600	25	3075	1.7
35	150	CGP	24	T-8	D.C. Bay.	2CC-8	3,500	25	3085	1.3
36	100	CEB	24	T-8	D.C. Bay.	CC-13	1,950	50	2955	.8
37	100	100G16 1/2 /29DC	60	G-16 1/2	D.C. Bay.	CC-13	1,630	200	3075	.8
38	75	CBX	24	T-8	D.C. Bay.	CC-13	1,300	50	2920	.6
39	50	CAX	24	T-8	D.C. Bay.	CC-13	775	50	2870	.4
40	1000	Q1000T3/CL	12	T-3	Rec. S.C.	C-8	27,000	500	3200	8.3
41	1000	Q1000T3	12	T-3	Rec. S.C.	C-8	27,000	500	3200	8.3
42	500	Q500T3/4	12	T-3	Rec. S.C.	C-8	12,600	250	3200	4.2
43	500	Q500T3/4CL	12	T-3	Rec. S.C.	C-8	13,000	250	3200	4.2

**Used in Type 404 Midget.

* This globe may be used in Types 22, 23 and 1000 if a Mogul to Mogul extension is inserted in the socket.

#This globe may be used in Type 16 by inserting a Mogul to medium reducer in the socket.

The above list includes all globes which can be used in M-R equipment. Any globe shown is correct for black-and-white photography and color recommendations are on page 56. Use the ordering code to insure receiving the globe you want.

Explanation of abbreviations: Mog. — Mogul
Bip. — Bipost
Med. — Medium
Sc. — Screw
D.C. Bay. — Double Contact Bayonet
Rec. S.C. — Recessed Single Contact



MOTION PICTURE SET LIGHTING

(Reprinted from "The Aperture"—workshop publication for 16mm Film producers published by Calvin Productions, Inc., Kansas City, Mo.)

Motion picture set lighting is both a science and a creative art. There are no hard and fast rules or procedures in lighting a set or subject for the purpose of exposing motion picture film. This gives rise to some pros and cons, as does almost every other endeavor in the media.

Set lighting is just as creative as any other phase of film production. It doesn't get as much publicity as some film operations, because the best motion picture lighting calls no attention to itself. It unobtrusively helps set the mood and present the subject.

Almost without exception every scene to be exposed, both interior and exterior, can be improved with supplemental lighting. You may ask how the rays of the sun and their intensity can be changed. They can't, of course, but you would be surprised to discover how many outdoor or location shots have been filmed with the use of reflectors and camera filters to obtain the desired effect on the screen.

It isn't a question of lighting or not lighting a set or scene. They all need light. The main thing to remember is this: Good lighting must be planned in advance and built up, rather than flooded on a set in a flat, uninteresting manner.

We said earlier that there are no hard and fast rules for set lighting. While this is true, there are some basic elements to be mastered which have withstood the test of time, and you can't get a better recommendation than that.

Basic Lighting Set-up

In this article we are primarily concerned with interior and sound stage lighting. In this area of interest the best lighting is usually simple. All lighting should be natural, as if lighted by the obvious, apparent light sources of the setting. And remember this: shadows are pretty, even arty, but there must be a reason for them or they will detract from the subject of the scene.

In the vernacular of motion pictures, there are four basic subject lights to be taken into consideration. They are: the "key," the "fill," the "kicker" and the "backlight." Let's consider them in order.

The key light provides the apparent principal source of directional illumination falling upon a subject or area. Exposure settings are determined from the key light. Spotlights are usually used for key lights because their light is easily controlled. Once the intensity of the key light has been established it should remain the same throughout the sequence being filmed. This emphasizes the importance of pre-planning to the creation of good lighting on a set. The person responsible for the lighting of a set should be as familiar as the director with the action to take place on any set and the area to be covered by any camera movement.

Key light intensity is determined, usually, by the light power ratio to the size of the set and the ability of the subject to work under lights. Most acting talent work better and for more sustained periods of time when the key lights are not above 250 foot candles. For this reason the camera department at Calvin prefers to keep the key light at a minimum intensity of 250 foot candles on normal subjects under average conditions to expose Ektachrome Commercial at f/2.8 with a 180 degree shutter. Other camera stocks require different set-ups. This should not necessarily be construed as a norm. The main thing to remember is to keep the key light intensity constant once it has been established on any sequence.

Secondary or "Fill" Light

The fill light is just that—it "fills" or "lightens" undesirable shadows on a subject or scene, and determines mood. In most cases scoops or pans with diffusers work best as fill lights as their light casts a minimum of shadow. The fill light is a supplementary light and should not affect the basic exposure reading obtained from the key light.

The ratio between key and fill lights will depend on the type of film being used and mood to be expressed. Calvin's cameramen consider a ratio of 2 to 1, key to fill, as normal on an average subject. In other words, a reading of 250 foot candles from the key light will require a reading of 125 foot candles from the fill—depending on the mood.

"Kicker" and Backlight

Backlights and "kickers" are used to highlight a subject, also to add depth and "roundness." They require considerable control. Spotlights are used for kickers and backlights because of these control requirements. Gobos and barndoors are useful accessories in this area where backlight

must be pinpointed so as not to interfere with the other lighting requirements. Basically, kickers and backlights function to separate the subject from the background. In relation to the camera position, the key light is placed on the side of the subject away from the camera; the fill light on the side facing the camera, and at the same height; the backlight opposite and in line with the camera, above and behind the subject.

Background Lights

Usually the background and foreground of a set require separate lighting. Once the subjects within the set are properly lighted, other areas of the set which will appear in the frame need attention so the photography will have a uniform appearance.

Many times the lighting of a subject will provide most of the light needed for background and set light. In general background lights are illumination separate from that provided for principal subjects or areas. By the same token, set lights are lights out of frame in the foreground. Both are used to fill otherwise dark areas on the set. A word of caution: variations abound.

Lighting for Multiple Cameras

For speed and efficiency in production, it is best to design sets and plan action so that lighting can be done in advance, with minimum changes between scenes. Background and set lights can be placed in position ahead of the actual filming to allow the light crew to concentrate on lighting subject and principal areas during the shooting. This advance planning saves considerable time once the cameras start to roll.

To provide maximum space on the floor for camera movement and the mike boom, if sync shooting is involved, overhead lighting is most desirable wherever possible. Key lights, kickers, background and set lights will normally adapt to overhead requirements. Fill lights, however, must be kept low—on the same level with the camera.

Effect Lighting

Effect lighting can be compared to character make-up on an actor, in that character make-up is used to change the appearance of an actor, and effect lighting is used to change the appearance of a set or scene. Careful study should be given to the effect desired and completely planned in advance. It will require experimentation to a degree, and is never the same on two different assignments requiring the same basic approach. In general, low and high fill-lighting will emphasize mood. Plain subjects, factory interiors with mostly grey machinery, intricate machine operations, etc., can be made more interesting and appealing through the application of shadow areas with a purpose and the use of colored gels on the lights.

Obtaining Depth

Depth in photography is obtained with subject placement and camera angles. Lighting also plays an important part. Here, again, there are some basics to keep in mind.

Perspective—The wider the angle of the lens, the greater the depth. Placing objects closer to the camera can give a similar effect of depth.

Lighting—Side and back lighting gives more depth to a scene than front or flat lighting.

Focus—Greater depth can be obtained by letting the foreground or background go out of focus. This duplicates the manner in which the human eye actually sees objects.

Color—Background colors should be different than principal subject colors (flesh tones, clothing, etc.) to prevent the subject from blending into the background.

Movement—Camera movement or subject action within the frame adds depth. Background haze also tends to make the background appear farther away.

It is impossible to list more than a smattering of information on motion picture lighting here. The main purpose of this article is to emphasize the importance of lighting to the finished product. The subject of lighting could feasibly be a college major, with experience in the field the requisite for a thesis and doctorate. Our point is this: Nothing can be sluffed-off in a truly good production. An excellent script, top direction, perfect casting and quality sets can be marred by poor lighting of one scene.



THE PROFESSIONAL USE OF REFLECTORS

(These articles are condensed and reprinted with permission from *American Cinematographer*)

The function of the sunlight reflector may be likened to that of the flash bulb in the still photographer's camera: to throw needed light into shadow areas of a scene to balance the illumination for best pictorial results.

Reflectors are essential equipment for any producer of motion picture films. Even when booster lights are brought along to a distant exterior location, invariably reflectors will be found in use also, for quite often they can provide light of a different quality or can throw light from an angle not possible with a booster light because of the terrain or power problems. The small film producer, of course, will find reflectors indispensable; for reflectors can be made to serve his purpose in most exterior locations, making it unnecessary for his crew to employ the more costly booster lights and power generator.

When reflectors first were used in cinematography, they were usually placed on the ground and tilted, with a stick supporting them at the desired angle. But the light thus reflected from a low angle was unnatural, and gradually reflectors were elevated—mounted on parallels to produce reflected light from a more natural angle. Outdoors, sunlight comes from above and it is only logical that reflected light, to appear natural and unobtrusive, come from an elevated angle also. Ultimately, the studios started mounting their reflectors on tripods or metal stands, with the reflector tilting within a metal U-shaped yoke mounted atop the adjustable stand.

Until recently, users of reflectors built their own. Now, professional type dual-surfaced reflectors, complete with yoke and pedestal are available from Mole-Richardson Company, Hollywood, pioneer builders of studio lighting equipment. The M-R reflector is constructed of plywood 1/4-inch thick supported within a wooden frame. Overall size is four feet. The frame has fittings for mounting the reflector on a pedestal or for attaching a telescoping support at the back where reflector is to be used on the ground. The yoke and pedestal are constructed of steel tubing. The latter is adjustable from a low of 60 inches to a maximum height of 96 inches.

The simplest and most obvious use of the reflector is to lighten up the shadow side of faces when shooting in a cross-light out-of-doors. For this, a fairly soft reflector—the aluminum papered surface—is usually best. The reflector should be placed well back from the subject so that the effect of shadow still remains, but with the shadow area lightened up sufficiently to permit the camera to capture necessary detail. Here, the reflector should be elevated so that the light strikes subject at face level or from

slightly above. In any case, the reflected light should not be so intense as to cause subject to squint.

Reflectors find important use also when the cameraman works in a backlight. Here, two reflectors should be used—one at either side of subject throwing fill light towards both sides of the face—and a third placed somewhat closer to subject (with consequent "hotter" light) to provide a measure of modeling in the illumination.

The skillful cameraman will achieve results with reflectors that are subtle and without making the use of reflectors obvious in the scene. Like every other cinematic treatment, when reflected lighting is overdone, it is distracting as well as completely unnatural.

By using reflectors, action can be staged in shade, as for example on a porch, under large shade trees, or in the shadow of a house or tall building. Here reflectors can be set up beyond the shaded area in such a manner as to throw reflected sunlight into the scene. Of course, this calls for shooting on the location at the time of day when the sun is in the right position to make reflector use effective. Where action is staged in deep shade, hard surfaced reflectors are the best to use, as their light beams hold together and carry for a greater distance than do those of soft reflectors. Professional cinematographers have been known to use reflectors in relays for this type of shot—bouncing the light from one reflector to another until the light reaches the desired spot. This, of course, where access to sunlight is not direct, as in the average type of shot calling for reflector use.

Another professional use for sunlight reflectors is to provide back-lighting and rim-lighting. A typical example of using reflectors for back-lighting is where subject is out in the open, facing the sun. Camera angle permitting, a hard reflector is placed in back of subject to throw reflected light upon him to provide added separation. Sometimes two reflectors are better for this—one at each side, and toward the back.

Use of reflectors in cinematography rarely poses an exposure problem. Once the contrast effect has been checked with the aid of a contrast viewing glass, the usual meter reading—either reflected or incident light—is read and the lens set accordingly. It sometimes happens that balancing the reflector-filled shadow-side of a face with the bright side becomes a problem. To get an effect of natural, "open" shadow there should be about half as much light in the shadow as in the highlight. Increase or decrease the illumination of the reflector-lighted area by moving the reflectors toward or away from subject or scene, until the right balance is obtained.

SPIN YOUR OWN COBWEBS

Realistic cobweb effects for movie sets are now simple and inexpensive to produce for any movie maker, professional or amateur. The Mole-Richardson Company, Hollywood, long known for its quality line of motion picture set lighting and prop equipment, has developed a simple, efficient cobweb spinner that produces cobwebs so realistic they fool even the most expert of spinners—the spiders themselves.

Because mystery and horror movies continue to be prime favorites with the public, and as almost every such movie has at least one scene in which cobwebs play an important part pictorially, there has been need for a simple means of producing the gossamer effect quickly—and with little or no chance of the effects man getting entangled in the web himself. The M-R Cobweb Spinner is the first item in a new line of products known as Moleffects.

Simplicity of operation is the Spinner's greatest feature. The unit consists of a lightweight motor unit resembling an electric drill to which is attached a conventional multi-blade fan and a sturdy wire guard. Mounted immediately in front of the fan is the circular reservoir that holds the compound which is released through a tiny slot at the edge as the spinner revolves.

FOG MAKER

For motion picture scenes, there is but one way to produce realistically the effect of fog in a scene artificially. In recent years, the various major studios have developed a number of methods of doing this, but in each case the equipment used was of their own making. There has been nothing on the market in the way of a portable, easy-to-use commercial-type fog maker, until Mole-Richardson Company of Hollywood recently introduced its line of Fog-makers. Now realistic fog effects can be made easily and inexpensively for any type film production, be it a Hollywood feature, TV film, or an industrial or business film production. Cost of the M-R fog-makers is so nominal that any film maker anywhere can own one.

Fog effects may be created indoors or out, and the fog can be made to hug the floor or ground or remain suspended in the air. To aid in clearing the air after a fog scene is shot indoors on the sound stage, Mole-Richardson also supplies a compound which can be put through the fog maker which accelerates the dispersal of the fog it produced moments earlier.

With the company's Type 1963 fog maker, there is provision for attach-

To operate, you need only fill the reservoir with the fluid compound, screw down the cover, point the machine and pull the trigger switch. The result is a thin thread of fluid blown out five to ten feet for placement as desired.

It was possible to decorate a small set with a cob-webby pattern in a matter of minutes. After the cobwebs have been applied, a further realistic effect is given the network by lightly dusting it with talc with the hand-operated spray gun, which is a part of the kit.

The equipment is designed after the most modern contemporary equipment and techniques used in the major Hollywood studios. Perhaps the most important feature of the M-R Cobweb Spinner is the fact its product is never messy to handle, apply, nor to clean up after shooting is completed. The web structure is easily rubbed off props, furniture, etc. When difficult removal situations are encountered, such as the grooves of cut glass, etc., removal of remnant fragments is expedited by use of a small amount of Type 1914 Cleaner-Thinner which is part of the kit.

Television studios as well as motion picture studios are finding the M-R Cobweb Spinner ideally suited to creating realistic effects quickly, simply, inexpensively.

ing a fog cooling unit which, when filled with dry ice, cools the fog vapor so it will hug the floor or ground of the set to produce the effect of low-lying fog or mists.

The fog maker units can also be utilized to produce the effect of dense smoke, without introducing the discomfort of real smoke on the set or location. On a recent location test of this equipment, it was successfully used to create the illusion of smoke from a forest fire.

There is a versatile feature of the M-R fog makers which many Hollywood studios have found beneficial when shooting on location away from the studio. The fog makers may also be used for spraying disinfectant, pest control insecticides, or scents for combating unpleasant odors. Thus the machine that was used to produce fog earlier in the day for one scene may be put to use spraying a location site to free it of mosquitoes, moths and grasshoppers—three pests which invariably plague location production crews and casts.

area code: 213

telephone: 654-3660

cable: MORINC, Hollywood

Mole-Richardson Co. 937 NORTH SYCAMORE AVENUE, HOLLYWOOD, CALIFORNIA 90038

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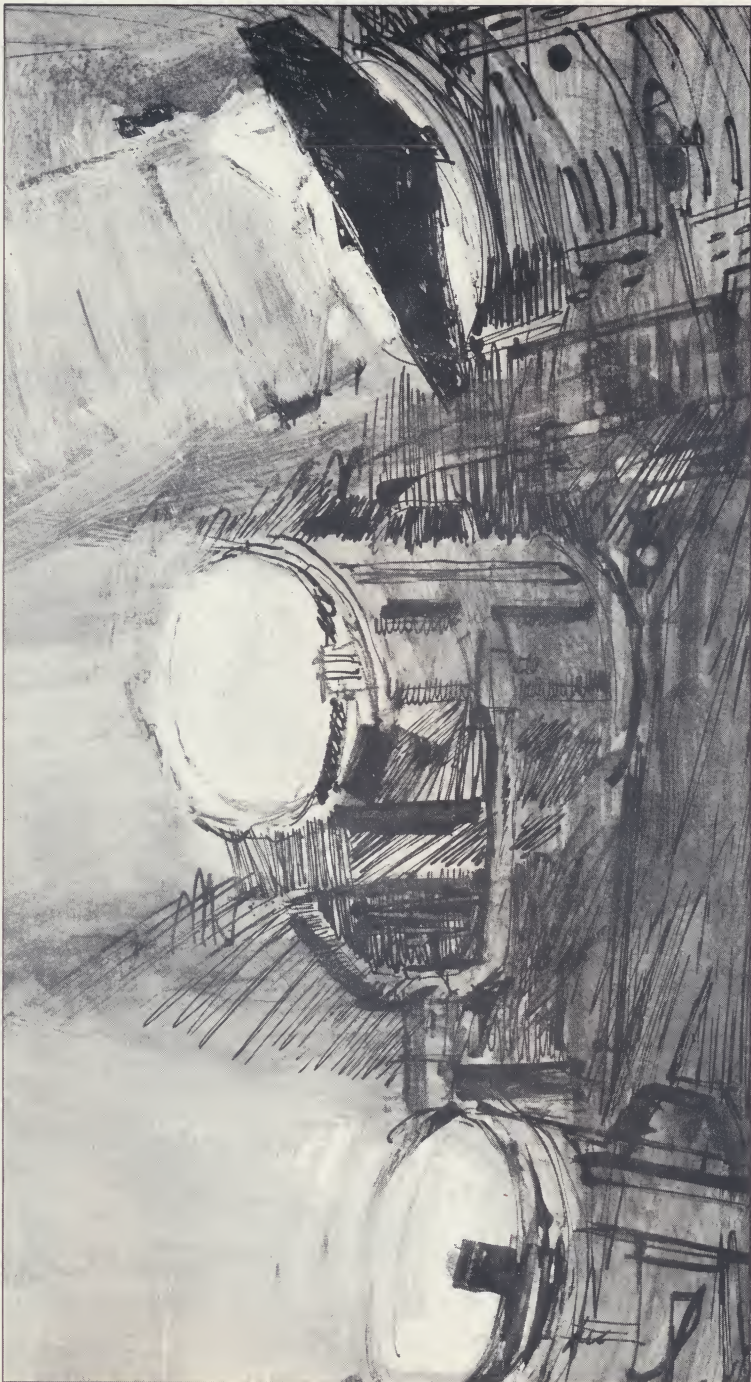
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MOLORAMA QUARTZ CYC-STRIPS

	PRICE	CARTON PACKING
FOUR-LIGHT TYPE 24711	\$141.00	\$ 1.85
THREE-LIGHT TYPE 2441	107.00	1.85
ONE-LIGHT TYPE 2481	50.00	.85
2484 Power Supply Adapter	11.50	
24430 Shadowless Safety Guard	15.50	
24450 Color Filter Frame	5.00	

MOLORAMA SUPER QUARTZ CYC-STRIPS

FOUR-LIGHT TYPE 2641	\$155.10	Wood
THREE-LIGHT TYPE 2631	117.70	Wood
ONE-LIGHT TYPE 2611	55.00	Wood
2617 Power Supply Adapter	15.00	
26130 Shadowless Safety Guard	15.50	
26150 Color Filter Frame	5.50	
26120 C-Clamp & Hanger Assembly	6.95	
26121 Hanger Assembly	3.65	
1201 C-Clamp	3.30	

MOLORAMA DUAL QUARTZ CYC-STRIPS

TEN-LIGHT TYPE 2651	\$219.00	Wood
TWO-LIGHT TYPE 2661	91.85	Wood
2659 Ten-Light Safety Guard & Color Frame Holder (Two Required per Lamp)	74.00	
26510 Ten-Light Safety Guard (Two Required per Lamp)	49.00	
26511 Ten-Light Color Frame Holder (Two Required per Lamp)	25.00	
2664 Two-Light Safety Guard & Color Frame Holder	48.00	
2665 Two-Light Safety Guard	32.00	
2666 Two-Light Color Frame Holder	16.00	
26512 Color Filter Frame	5.60	
26120 C-Clamp & Hanger Assembly	6.95	
26121 Hanger Assembly	3.65	
1201 C-Clamp	3.30	

	PRICE	CARTON PACKING
HEAD TYPE 3211	\$ 60.00	\$ 1.50
PEDESTAL TYPE 40651A	37.00	1.40
3216 Diffuser Holders (Pair)	4.75	
3214 Glass Diffuser Frame Assy.	10.00	
32120 Diffuser Frame	5.50	
32122 2-Leaf Barn Door	17.85	
32124 4-Leaf Barn Door	25.50	
32121S Single Lamp Scrim	3.50	
32121D Double Lamp Scrim	4.00	
32123S Half Single Lamp Scrim	3.50	
32123D Half Double Lamp Scrim	4.00	
500216 Baby Pedestal Triple Head	17.50	
32125S Single Silk	3.50	
32125D Double Silk	4.00	
1201 C-Clamp	3.30	
500119 Adapter	5.65	
500141 Baby Wall Plate	5.85	
500144 Baby Pedestal Bracket	11.80	
500179 Caster Post	3.25	
500190 Baby Trombone	34.60	
500250 Baby Pedestal Double Head	13.80	
PEDESTAL SUBSTITUTIONS		
1391 Baby Size Low	\$ 34.80	\$ 1.40
1581 Baby Size Sky-Hi	65.90	2.80
3281 Baby Size Standard Litewate	23.85	1.00
1851 Baby Size Sky-Hi Litewate	30.00	1.40
75 Comet Lamp Boom	159.95	3.25

HEAD TYPE 2801 On Base Plate	\$ 28.50	\$.75
(Add \$2.00 For Stage Plug)		
28032 2-Leaf Barn Door	9.50	
28034 4-Leaf Barn Door	14.00	
28050 Diffuser Frame	2.00	
28060 Set 3 Snoots	14.50	
28051S Single Lamp Scrim	2.20	
28051D Double Lamp Scrim	2.40	
28052S Half Single Lamp Scrim	2.20	
28052D Half Double Lamp Scrim	2.40	
1201 C-Clamp	3.30	
500119 Adapter	5.65	
500141 Baby Wall Plate	5.85	
500144 Baby Pedestal Bracket	11.80	
500179 Caster Post	3.25	
500190 Baby Trombone	34.60	
500216 Baby Pedestal Triple Head	17.50	
500250 Baby Pedestal Double Head	13.80	
500280 Baby Wall Sled	32.00	
PEDESTALS		
40651A Baby Size Standard	\$ 37.00	\$ 1.40
1391 Baby Size Low	34.80	1.40
1581 Baby Size Sky-Hi	65.90	2.80
3281 Baby Size Standard Litewate	23.85	1.00
1851 Baby Size Sky-Hi Litewate	30.00	1.40
75 Comet Lamp Boom	159.95	3.25
2751 Long Moleboom	320.00	Wood

Page 9 MIDGET SOLARSPOT

	PRICE	CARTON PACKING
HEAD TYPE 2351 On Base Plate (Add \$2.00 For Stage Plug)	\$ 35.75	\$.75
40445 2-Leaf Barn Door	10.55	
40445A 4-Leaf Barn Door	15.35	
40437A Diffuser Frame	2.10	
40438A Set 3 Snoots	15.60	
40447S Single Lamp Scrim	2.30	
40447D Double Lamp Scrim	2.50	
40446S Half Single Lamp Scrim	2.30	
40446D Half Double Lamp Scrim	2.50	
40451 Diffuser Changer	25.00	
1201 C-Clamp	3.30	
500119 Adapter	5.65	
500141 Baby Wall Plate	5.85	
500144 Baby Pedestal Bracket	11.80	
500179 Caster Post	3.25	
500190 Baby Trombone	34.60	
500216 Baby Pedestal Triple Head	17.50	
500250 Baby Pedestal Double Head	13.80	
500280 Baby Wall Sled	32.00	
PEDESTALS		
40651A Baby Size Standard	\$ 37.00	\$ 1.40
1391 Baby Size Low	34.80	1.40
1581 Baby Size Sky-Hi	65.90	2.80
3281 Baby Size Standard Litewate	23.85	1.00
1851 Baby Size Sky-Hi Litewate	30.00	1.40
75 Comet Lamp Boom	159.95	3.25
2751 Long Moleboom	320.00	Wood

Page 10 BABY SOLARSPOT

HEAD TYPE 407	\$ 83.90	\$ 1.50
PEDESTAL TYPE 40651A	37.00	1.40
40755 2-Leaf Barn Door	11.50	
40755A 4-Leaf Barn Door	17.30	
40748A Diffuser Frame	2.30	
500216 Baby Pedestal Triple Head	17.50	
40747A Set 3 Snoots	18.75	
40777S Single Lamp Scrim	2.90	
40776S Half Single Lamp Scrim	2.90	
40777D Double Lamp Scrim	3.30	
40776D Half Double Lamp Scrim	3.30	
500179 Caster Post	3.25	
505407 Shutter	123.45	
1881 Iris	65.50	
500141 Baby Wall Plate	5.85	
500144 Baby Pedestal Bracket	11.80	
40780 Diffuser Box	7.90	
407102 Diffuser Changer	27.50	
500250 Baby Pedestal Double Head	13.80	
500280 Baby Wall Sled	32.00	
1201 C-Clamp	3.30	
500119 Adapter	5.65	
500190 Baby Trombone	34.60	
40789 4-Blade Sliding Barn Door	35.50	
407B MacBeth Filter	21.50	
PEDESTAL SUBSTITUTIONS		
1391 Baby Size Low	\$ 34.80	\$ 1.40
1581 Baby Size Sky-Hi	65.90	2.80
3281 Baby Size Standard Litewate	23.85	1.00
1851 Baby Size Sky-Hi Litewate	30.00	1.40
75 Comet Lamp Boom	159.95	3.25
2751 Long Moleboom	320.00	Wood

Page 11 BABY COMBO

	PRICE	CARTON PACKING
HEAD TYPE 751 With 2-Leaf Doors and Diffuser Frame	\$ 94.60	\$ 1.50
With 4-Leaf Doors	99.85	1.50
PEDESTAL TYPE 40651A	37.00	1.40
75072A Diffuser Frame	2.30	
500216 Baby Pedestal Triple Head	17.50	
75071A Set 3 Snoots	19.50	
75074S Single Lamp Scrim	3.10	
75073S Half Single Lamp Scrim	3.10	
75074D Double Lamp Scrim	3.40	
75073D Half Double Lamp Scrim	3.40	
500179 Caster Post	3.25	
505751 Shutter	123.45	
500141 Baby Wall Plate	5.85	
500144 Baby Pedestal Bracket	11.80	
75075 Diffuser Box	7.90	
500250 Baby Pedestal Double Head	13.80	
500280 Baby Wall Sled	32.00	
1201 C-Clamp	3.30	
500119 Adapter	5.65	
500190 Baby Trombone	34.60	
407B MacBeth Filter	21.50	
PEDESTAL SUBSTITUTIONS		
1391 Baby Size Low	\$ 34.80	\$ 1.40
1581 Baby Size Sky-Hi	65.90	2.80
3281 Baby Size Standard Litewate	23.85	1.00
1851 Baby Size Sky-Hi Litewate	30.00	1.40
75 Comet Lamp Boom	159.95	3.25
2751 Long Moleboom	320.00	Wood

Page 12 JUNIOR SOLARSPOT

HEAD TYPE 412	\$131.50	\$ 1.85
PEDESTAL TYPE 410138	48.00	1.55
41252 2-Leaf Barn Door	16.60	
41252A 4-Leaf Barn Door	23.85	
41245A Diffuser Frame	3.20	
41243A Set 3 Snoots	26.50	
500191 Junior Wall Sled	38.00	
41258S Single Lamp Scrim	4.20	
41257S Half Single Lamp Scrim	4.20	
41258D Double Lamp Scrim	4.90	
41257D Half Double Lamp Scrim	4.90	
507412 Shutter	149.80	
1871 Iris	130.25	
500114 Pedestal Extension	12.55	
500152 Junior Pedestal Bracket	14.00	
41262 Diffuser Box	8.90	
41281 Diffuser Changer	45.00	
500229 Set Wall Bracket	10.00	
1201 C-Clamp	3.30	
500165 Adapter	9.80	
500166 Adapter	3.25	
1671 Junior Extension Arm	16.00	
1731 Junior Trombone	49.95	
500287 Bazooka	60.00	
500288 Telescoping Hanger	27.45	
500305 Trapeze	21.50	
41265 4-Blade Sliding Barn Door	37.85	
1721 Junior Wall Plate	8.55	
412B MacBeth Filter	30.50	
1821 Globe Box	36.55	
PEDESTAL SUBSTITUTIONS		
1411 Junior Size Low	\$ 44.25	\$ 1.55
1561 Junior Size Sky-Hi	63.75	3.10

Page 13 JUNIOR COMBO

		PRICE	CARTON PACKING
HEAD TYPE 2001 With 2-Leaf Doors and Diffuser			
Frame		\$ 147.50	\$ 1.85
With 4-Leaf Doors		151.70	1.85
PEDESTAL TYPE 410138		48.00	1.55
200053A	Diffuser Frame	3.60	
200052A	Set 3 Snoots	24.70	
500191	Junior Wall Sled	38.00	
200055S	Single Lamp Scrim	4.60	
200054S	Half Single Lamp Scrim	4.60	
200055D	Double Lamp Scrim	5.30	
200054D	Half Double Lamp Scrim	5.30	
5072001	Shutter	149.80	
500114	Pedestal Extension	12.55	
500152	Junior Pedestal Bracket	14.00	
200056	Diffuser Box	8.90	
500229	Set Wall Bracket	10.00	
1201	C-Clamp	3.30	
500287	Bazooka	60.00	
500288	Telescoping Hanger	27.45	
500305	Trapeze	21.50	
500165	Adapter	9.80	
500166	Adapter	3.25	
1671	Junior Extension Arm	16.00	
1731	Junior Trombone	49.95	
1721	Junior Wall Plate	8.55	
412B	MacBeth Filter	30.50	
1821	Globe Box	36.55	
PEDESTAL SUBSTITUTIONS			
1411	Junior Size Low	\$ 44.25	\$ 1.55
1561	Junior Size Sky-Hi	63.75	3.10

Page 14 SENIOR SOLARSPOT

HEAD TYPE 415		\$258.10	\$ 6.50
PEDESTAL TYPE 41494		63.00	1.55
41560	2-Leaf Barn Door	35.90	
41560A	4-Leaf Barn Door	49.50	
41548A	Diffuser Frame	5.35	
41549A	Set 3 Snoots	38.50	
41563S	Single Lamp Scrim	5.25	
41562S	Half Single Lamp Scrim	5.25	
41563D	Double Lamp Scrim	6.90	
41562D	Half Double Lamp Scrim	6.90	
514	Shutter	216.10	
1861	Iris	162.50	
500114	Pedestal Extension	12.55	
41569	Diffuser Box	10.95	
1921	5000 to 2000 Watt Adapter	12.00	
500229	Set Wall Bracket	10.00	
1201	C-Clamp	3.30	
500165	Adapter	9.80	
500182	Adapter	3.25	
41572	4-Blade Sliding Barn Door	48.50	
415B	MacBeth Filter	48.20	
1831	Globe Box	46.30	
500287	Bazooka	60.00	
500288	Telescoping Hanger	27.45	
500300	Senior Wall Sled	44.00	
PEDESTAL SUBSTITUTIONS			
1411	Senior Size Low	\$ 44.25	\$ 1.55
1571	Senior Size Sky-Hi	78.85	3.10

Page 15 TENER SOLARSPOT

HEAD TYPE 416		\$ 557.65	Wood
PEDESTAL TYPE 41494		63.00	Wood
41616	2-Leaf Barn Door	56.00	
41616A	4-Leaf Barn Door	99.10	
41699A	Diffuser Frame	7.00	
416100S	Single Lamp Scrim	8.90	
416100S	Half Single Lamp Scrim	8.90	
416101D	Double Lamp Scrim	10.90	
416100D	Half Double Lamp Scrim	9.80	
513	Shutter	279.50	
1201	C-Clamp	3.30	
500165	Adapter	9.80	
500182	Adapter	3.25	
1841	Globe Box	35.50	
500287	Bazooka	60.00	
416B	MacBeth Filter	85.25	
PEDESTAL SUBSTITUTIONS			
4504	Pedestal	\$322.85	Wood
325	Molevator	1278.70	Wood
1411	Senior Size Low	44.25	1.55

Page 16 BELL LAMP

HEAD TYPE 1000 With Diffuser Frame		\$ 60.35	\$ 1.85
HEAD TYPE 1000 TV Unit (With three feet cable, less switch)		41.75	1.85
PEDESTAL TYPE 40651A		37.00	1.40
100016A	Diffuser Frame	7.50	
500216	Baby Pedestal Triple Head	17.50	
100025S	Single Lamp Scrim	7.85	
100026S	Half Single Lamp Scrim	7.85	
100025D	Double Lamp Scrim	8.40	
100026D	Half Double Lamp Scrim	8.40	
500179	Caster Post	3.25	
500141	Baby Wall Plate	5.85	
500144	Baby Pedestal Bracket	11.80	
500250	Baby Pedestal Double Head	13.80	
1201	C-Clamp	3.30	
500119	Adapter	5.65	
500190	Baby Trombone	34.60	
500280	Baby Wall Sled	32.00	
PEDESTAL SUBSTITUTIONS			
1391	Baby Size Low	\$ 34.80	\$ 1.40
1581	Baby Size Sky-Hi	65.90	2.80
3281	Baby Size Standard Litewate	23.85	1.00
1851	Baby Size Sky-Hi Litewate	30.00	1.40
75	Comet Lamp Boom	159.95	3.25
2751	Long Moleboom	320.00	Wood

Page 17 CINELITE

		PRICE	CARTON PACKING
HEAD TYPE 16		\$ 43.90	\$ 1.85
PEDESTAL TYPE 40651A		37.00	1.40
1622	Diffuser Frame	7.50	
500216	Baby Pedestal Triple Head	17.50	
1623S	Single Lamp Scrim	7.85	
1624S	Half Single Lamp Scrim	7.85	
1623D	Double Lamp Scrim	8.40	
1624D	Half Double Lamp Scrim	8.40	
500179	Caster Post	3.25	
500141	Baby Wall Plate	5.85	
500144	Baby Pedestal Bracket	11.80	
500250	Baby Pedestal Double Head	13.80	
1201	C-Clamp	3.30	
500119	Adapter	5.65	
500190	Baby Trombone	34.60	
500280	Baby Wall Sled	32.00	
PEDESTAL SUBSTITUTIONS			
1391	Baby Size Low	\$ 34.80	\$ 1.40
1581	Baby Size Sky-Hi	65.90	2.80
3281	Baby Size Standard Litewate	23.85	1.00
1851	Baby Size Sky-Hi Litewate	30.00	1.40
75	Comet Lamp Boom	159.95	3.25
2751	Long Moleboom	320.00	Wood

Page 18 SINGLE BROAD

		PRICE	CARTON PACKING
HEAD TYPE 22		\$ 63.25	\$ 1.50
PEDESTAL TYPE 40651A		37.00	1.40
2128	Diffuser Holders (Pair)	7.75	
229	2-Leaf Barn Door	14.60	
2226	Diffuser Frame	7.00	
500216	Baby Pedestal Triple Head	17.50	
2230S	Single Lamp Scrim	4.90	
2229S	Half Single Lamp Scrim	4.90	
2230D	Double Lamp Scrim	5.45	
2229D	Half Double Lamp Scrim	5.45	
2231S	Single Silk	4.90	
2231D	Double Silk	5.45	
500179	Caster Post	3.25	
500141	Baby Wall Plate	5.85	
500144	Baby Pedestal Bracket	11.80	
500250	Baby Pedestal Double Head	13.80	
1201	C-Clamp	3.30	
500119	Adapter	5.65	
500190	Baby Trombone	34.60	
500280	Baby Wall Sled	32.00	
PEDESTAL SUBSTITUTIONS			
1391	Baby Size Low	\$ 34.80	\$ 1.40
1581	Baby Size Sky-Hi	65.90	2.80
3281	Baby Size Standard Litewate	23.85	1.00
1851	Baby Size Sky-Hi Litewate	30.00	1.40
75	Comet Lamp Boom	159.95	3.25
2751	Long Moleboom	320.00	Wood

Page 19 DOUBLE BROAD

		PRICE	CARTON PACKING
HEAD TYPE 23		\$112.70	\$ 1.85
PEDESTAL TYPE 40651A		37.00	1.40
2022	Diffuser Holders (Pair)	7.75	
2320	Diffuser Frame	9.00	
2324S	Single Lamp Scrim	7.35	
2325S	Half Single Lamp Scrim	7.35	
2324D	Double Lamp Scrim	8.15	
2325D	Half Double Lamp Scrim	8.15	
2323S	Single Silk	7.35	
2323D	Double Silk	8.15	
500179	Caster Post	3.25	
500141	Baby Wall Plate	5.85	
500144	Baby Pedestal Bracket	11.80	
1201	C-Clamp	3.30	
500119	Adapter	5.65	
500190	Baby Trombone	34.60	
500280	Baby Wall Sled	32.00	
PEDESTAL SUBSTITUTIONS			
1391	Baby Size Low	\$ 34.80	\$ 1.40
3281	Baby Size Standard Litewate	23.85	1.00

Page 20 SKYLITE

		PRICE	CARTON PACKING
HEAD TYPE 245		\$121.95	\$ 3.40
PEDESTAL TYPE 410138		48.00	1.55
Type 246 Skylite 10,000-Watt		212.00	Wood
Type 41494 Pedestal		63.00	1.55
450260	2-Leaf Barn Door	108.25	
450267	4-Leaf Barn Door	180.50	
450481A	Diffuser Frame	21.00	
450511S	Single Lamp Scrim	14.60	
450512S	Half Single Lamp Scrim	14.60	
450511D	Double Lamp Scrim	17.60	
450512D	Half Double Lamp Scrim	15.50	
24515	Skylite Diffuser Holder	39.75	4.95
500114	Pedestal Extension	12.55	
1921	5000 to 2000 Watt Adapter	12.00	
500229	Set Wall Bracket	10.00	
1201	C-Clamp	3.30	
500165	Adapter	9.80	
500166	Adapter	3.25	
1671	Junior Extension Arm	16.00	
1721	Junior Wall Plate	8.55	
1831	Globe Box	46.30	
500191	Junior Wall Sled	38.00	
500287	Bazooka	60.00	
500288	Telescoping Hanger	27.45	
500305	Trapeze	21.50	
PEDESTAL SUBSTITUTIONS			
1411	Senior Size Low	\$ 44.25	\$ 1.55
1571	Senior Size Sky-Hi	78.85	3.10

Page 21 QUADLITE

	PRICE	CARTON PACKING
HEAD TYPE 550	\$ 50.55	1.00
55014 Quadrant	13.50	
55030 Quadlite Hood	18.75	
55018 Stacking Spud	4.50	
55040 Diffuser Frame	3.50	
PEDESTALS AND MOUNTING DEVICES		
40651A Baby Standard Pedestal	\$ 37.00	1.40
1391 Baby Low Pedestal	34.80	1.40
500216 Baby Pedestal Triple Head	17.50	
500179 Caster Post	3.25	
500144 Baby Pedestal Bracket	11.80	
500141 Baby Wall Plate	5.85	
500250 Baby Pedestal Double Head	13.80	
500119 Adapter (Used With Type 1201 C-Clamp \$3.30)	5.65	
500190 Baby Trombone	34.60	
500280 Baby Wall Sled	32.00	

Page 22 FIVE-LIGHT OVERHEAD STRIP

HEAD TYPE 1431	\$142.80	Wood
1436 Diffuser Frame	\$ 18.00	

Page 23 SIX-LIGHT OVERHEAD CLUSTER

HEAD TYPE 2011	\$325.00	Wood
20111 Wire Screen	\$ 25.00	

Page 24 CONELITE (500-750 WATTS)

HEAD TYPE 2211	\$ 91.95	6.50
PEDESTAL TYPE 40651A	37.00	1.40
41699A Diffuser Frame	7.00	
416101S Single Lamp Scrim	8.90	
416100S Half Single Lamp Scrim	8.90	
416101D Double Lamp Scrim	10.90	
416100D Half Double Lamp Scrim	9.80	
1201 CClamp	3.30	
500119 Adapter	5.65	
PEDESTAL SUBSTITUTIONS		
1391 Baby Size Low	\$ 34.80	1.40
1581 Baby Size Sky-Hi	65.90	2.80

Page 24 CONELITE (1000-2000 WATTS)

HEAD TYPE 2221	\$138.00	Wood
PEDESTAL TYPE 410138	48.00	1.55
22220 Diffuser Frame	17.60	
1201 C-Clamp	3.30	
500165 Adapter	9.80	
500166 Adapter	3.25	
PEDESTAL SUBSTITUTIONS		
1411 Junior Size Low	\$ 44.25	1.55
1561 Junior Size Sky-Hi	63.75	3.10

Page 25 CONELITE (5000 WATTS)

HEAD TYPE 2231	\$228.00	Wood
PEDESTAL TYPE 41494	63.00	1.55
22320 Diffuser Frame	26.50	
1201 C-Clamp	3.30	
500165 Adapter	9.80	
500182 Adapter	3.25	
PEDESTAL SUBSTITUTIONS		
1411 Senior Size Low	\$ 44.25	1.55
1571 Senior Size Sky-Hi	78.85	3.10

Page 26 COMET LAMP BOOM TYPE 75

PRICE	CARTON PACKING
\$159.95	3.25

Page 27 LONG MOLEBOOM TYPE 2751

\$320.00	Wood
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Page 28 FOLDING PEDESTALS

BABY SIZE

Standard Type 40651A	37.00	1.40
Low Type 1391	34.80	1.40
Sky-Hi Type 1581	65.90	2.80

LITEWATE BABY SIZE

Standard Type 3281	23.85	1.00
Sky-Hi Type 1851	30.00	1.40

Page 29 FOLDING PEDESTALS

JUNIOR SIZE

Standard Type 410138	48.00	1.55
Low Type 1411	44.25	1.55
Sky-Hi Type 1561	63.75	3.10

SENIOR SIZE

Standard Type 41494	63.00	1.55
Low Type 1411	44.25	1.55
Sky-Hi Type 1571	78.85	3.10

Page 30 MOLEVATOR TYPE 325

\$1278.70	Wood
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Page 31 DESERT DOLLY TYPE 3291

\$595.50	Wood
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Page 32 MOLENSER

HEAD TYPE 2251	\$360.00	Wood
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PEDESTAL TYPE 410138	48.00	1.55
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2252 Diffuser Changer	27.50
2253 Matt 3 1/2" Opening	3.35
2254 Matt 3" Opening	3.35
2255 Matt 2 1/2" Opening	3.35
2256 Matt 2" Opening	3.35
2257 Matt 1 1/2" Opening	3.35
2258 Matt 1" Opening	3.35
2259 Matt 1/2" Opening	3.35
22510 Matt 1/4" Opening	3.35
22583 Iris	55.50
22511 Diffuser Frame	2.30

PEDESTAL SUBSTITUTIONS

1411 Junior Size Low	\$ 44.25	1.55
1561 Junior Size Sky-Hi	63.75	3.10

Page 33 CENTURY COMBINATION

	PRICE	CARTON PACKING
HEAD TYPE 24 With Two Extension Arms	\$ 22.45	1.00
PEDESTAL TYPE 324	35.10	1.40
Extra Arm Extension Type 243	8.35	
18"x24"		
Single Scrim Type 2427S	11.35	
Double Scrim Type 2427D	12.00	
Cloth Flag Type 2428	11.00	
10"x48"		
Cloth Cutter Type 2429	13.60	
24"x36"		
Single Scrim Type 2423S	19.50	
Double Scrim Type 2423D	20.50	
Cloth Flag Type 2437	20.00	
Cookie Type 1541	22.75	

Page 34 BUTTERFLIES

50073	Jr. to Baby Pedestal Adapter	10.45	
244	Century Clamp Head	8.35	
14910	Rod and Century Clamp	9.70	
1491	Frame Only Complete	32.00	3.25
14913	Set Covers in Bag	73.75	
14914	Bag Only	2.20	
14915	Single Scrim Only	22.30	
14916	Double Scrim Only	31.15	
14917	Silk Only	18.10	

Page 35 MOLEFLECTOR

PEDESTALS:

	Low—Type 3279	\$ 62.95	1.55
	High—Type 3272	74.85	3.25
BRACE TYPE 3277	15.75		
48"x48" SIZE			
	Board Type 3274	59.90	7.30
	Yoke Type 3273	38.95	
	Single Scrim Type 32750	17.25	
	Double Scrim Type 32751	20.25	
	Storage Box - 4-Unit - Type 3275	60.05	
	Storage Box - 2-Unit - Type 3276	57.25	
30"x36" SIZE			
	Board Type 1781	54.50	7.30
	Yoke Type 1771	37.85	
	Single Scrim Type 1783	13.25	
	Double Scrim Type 1784	16.25	
	Storage Box - 4-Unit - Type 1791	57.90	
	Storage Box - 2-Unit - Type 1801	55.10	
Type 1681	Tool Kit	18.75	
	Camel Hair Brush Type 16811	1.35	
	Silver Paper Smoother Type 16812	7.35	
	Razor Blade Holder Type 16813	.85	
	Roller Type 16814	5.00	
	Paste Brush Type 16815	2.10	
Type 1691	Materials Kit	29.85	
	Silver Leaf 500 Sheets Type 16911	12.90	
	Silver Paper 50 Feet Type 16912	8.25	
	P.H. Paste Quart Type 16913	1.80	
	Gold Size Quart Type 16914	6.90	

Page 36 ACCESSORIES

2-Leaf Barn Door—Pages 7-8-9-10-12-14-15-18-56-57-58
 4-Leaf Barn Door—Pages 7-8-9-10-12-14-15-18-56-57-58
 Diffuser Frame—Pages 8-9-10-11-12-13-14-15-16-17-56-57-58
 MacBeth Filter—Pages 10-11-12-13-14-15
 Lamp Scrims—Pages 8-9-10-11-12-13-14-15-16-17-20-24-25-56-57-58
 Snoots—Pages 8-9-10-11-12-13-14-56
 Skylite Diffuser Holder—Page 20
 Baby Wall Plate—Pages 7-8-9-10-11-16-17-18-19-21
 Junior Wall Plate—Pages 12-13-20
 Baby Trombone—Pages 7-8-9-10-11-16-17-18-19-21
 Junior Trombone—Pages 12-13
 Baby Pedestal Double Head—Pages 7-8-9-10-11-16-17
 Baby Pedestal Triple Head—Pages 7-8-9-10-11-16-17

Page 37 ACCESSORIES

PRICE

Shutter—See Pages 10-11-12-13-14-15-55-56-57-58	
Iris 4-Inch Type 1891	\$ 52.50
6-Inch Type 1881—See Page 10	
10-Inch Type 1871—See Page 12	
14-Inch Type 1861—See Pages 14-56	
4-Blade Sliding Barn Door—See Pages 10-12-14-56	
Diffuser Changers—See Pages 9-10-12	
Telescoping Hanger—See Pages 12-13-14-15	
Wall Sled—See Pages 8-9-10-11-12-13-14-16-17-18-19-20	
Trapeze—See Pages 12-13-20	
Bazooka—See Pages 12-13-14-15-20	
Set Wall Bracket—See Pages 12-13-14-20	
Junior Extension Arm—See Pages 12-13-14-20	
Pedestal Extension—See Pages 12-13-14-20	
Pedestal Bracket—See Pages 7-8-9-10-11-12-13-14-16-17-18-19-21	
Caster Post—See Pages 7-8-9-10-11-16-17-18-19-21	
Junior to Baby Pedestal Adapter—See Page 34	
Gooseneck and Clamp Type 2432	\$ 13.20
Dot or Target	
3-Inch Dot:	
Solid Type 24313SO	3.75
Single Scrim Type 24313S	3.75
Double Scrim Type 24313D	3.90
6-Inch Target:	
Solid Type 24316SO	4.00
Single Scrim Type 24316S	4.00
Double Scrim Type 24316D	4.20
8-Inch Target:	
Solid Type 24318SO	4.50
Single Scrim Type 24318S	4.50
Double Scrim Type 24318D	4.65
10-Inch Target:	
Solid Type 243110SO	4.80
Single Scrim Type 243110S	4.80
Double Scrim Type 243110D	5.00

Page 38 ACCESSORIES

Globe Boxes—See Pages 12-13-14-15-20

Dimmer Plates

755 to 1000 Watts Type 504	\$173.15
1655 to 2000 Watts Type 503	\$200.25

Mogul Bipost Socket Type 500227 \$ 10.80

5000 to 2000 Watt Adapter—See Pages 14-20

Diffuser Box—See Pages 10-11-12-13-14

C-Clamp—See Pages 7-8-9-10-11-12-13-14-15-16
 17-18-19-20-24-25

Type 500119 Adapter—Pages 7-8-9-10-11-16
 17-18-19-24

Type 500165 Adapter—Pages 12-13-14-15-16-25

Type 500166 Adapter—Pages 12-13-20-25

Type 500182 Adapter—Pages 14-15-25

Page 39 SUPPLIES

*Gelatine 20"x24" Solid Colors (Write For Sample Book) Sheet	\$.48
*Gelatine 20"x24" Variegated (Write For Sample Book) Sheet	1.25
*Acetate 42 inches by 50 foot roll	
Number 1 Frost Per Lineal Yard	\$3.75
Number Y-1, YF-101, MT-2, 74T, 76T and TD-25 Per Lineal Yard	5.25
Per Roll	39.00
Per Roll	50.00

Paint	Quart	Gallon
Maroon Air Dry Gloss Enamel	\$4.00	\$13.00
Maroon Baking Gloss Enamel	4.00	13.00
Thinner	1.50	4.00

Technicolor Blood, Type 2321	1 Pint \$3.50	1 Quart \$5.00
Pancromatic Blood, Type 2331	1 Pint \$3.50	1 Quart \$5.00
Peel Paste, Type 2291	5 Gallon \$15.35	1/2 Drum \$13.00cwt
Floor Paste, Type 2311	5 Gallon \$15.35	1/2 Drum \$13.00cwt

CARBONS

Lamp	Cat. No.	Dia.	Length	Description
40	L-7503	8mm	12"	C.C.M.P. Studio Positive
40	L-7500	7mm	9"	C.C.M.P. Studio Negative
90	L-7706	13.6mm	22"	H.I. Studio Positive
90	L-7506	7/16"	8 1/2"	C.C.M.P. Studio Negative
170	L-7709	16mm	20"	H.I. Studio Positive
170	L-7512	1/2"	8 1/2"	C.C.M.P. Studio Negative
450	L-7760	16mm	22"	Super H.I. Studio Positive (White Flame)
450	L-7890	16mm	22"	Super H.I. Studio Positive (Yellow Flame)
450	L-7600	17/32"	9"	Special C.C. Negative

These carbons are furnished in cases of 150 and are priced for that quantity.

The carbons listed above are for use in Arc Lamps shown in catalog. We stock Projector Carbons, High Intensity Searchlight Carbons, Spectroscope Carbons and all Motion Picture Studio Carbons. Prices upon request.

*Spun Glass 36" Wide (.010" and .015" Thick)

100 Yard Roll	\$45.00	Lineal Yard	.90
Scrim Material 72" Wide		Lineal Yard	4.50
Silk 36" Wide		Lineal Yard	1.80
*Wire Screen—Single Scrim Density 36" Wide		Lineal Foot	2.75
*Wire Screen—Double Scrim Density 36" Wide		Lineal Foot	2.75
*May be inserted in Diffuser Frames shown on page 36			

Globes (See Page 65)

Duvetyn For Flags 52" Wide	Lineal Yard	\$3.15
Repair Parts	Prices Upon Request	

Page 40 NEW ADDITIONS

Moledura Metal Scrims	Prices Upon Request
Breakaway Bottles	Prices Upon Request
Lens Guard	Prices (See Page 58)
Rectifier, Portable	Prices Upon Request
Portable DC Generator	Prices Upon Request
Portable AC Generator	Prices Upon Request

Page 41 WINDMACHINE MOLEFFECT

HEAD TYPE 1971	PRICE	CARTON PACKING
PEDESTALS	\$499.50	Wood
19720 Low	\$ 49.50	\$1.40
19721 Standard	68.25	1.55

Page 42 WINDHOWLER MOLEFFECT

Windhowler only, Type 2281	PRICE	Wood
Discs		
22848 1-Hole	5.30	
22849 2-Hole	6.30	
22850 3-Hole	7.25	
22851 4-Hole	8.25	
Resonators		
22831 No. 1	4.75	
22832 No. 2	4.75	
22833 No. 3	4.75	
22834 No. 4	4.30	
22835 No. 5	4.30	
22836 No. 6	4.30	
22837 No. 7	3.80	
22838 No. 8	3.80	
22839 No. 9	3.80	
22840 No. 10	2.45	
22841 No. 11	2.45	
22842 No. 12	2.45	
22843 No. 13	2.45	
22844 No. 14	2.45	
22845 No. 15	2.45	
Carrying Case 2283	50.00	
Windhowler Kit 2282	367.35	Wood

Page 43 COBWEB SPINNER MOLEFFECT

	PRICE	CARTON PACKING
1911 Cobweb Spinner Only	\$ 90.00	\$ 1.50
1913 Cobweb Cement, Pint	2.35	
1914 Cleaner Thinner, Quart	1.65	
1916 Cobweb Dust, Five Pounds	.75	
1915 Duster	1.50	
1912 Carrying Case	43.00	
1918 Cobweb Spinner Kit	146.30	1.85

Page 44 FOGMAKER MOLEFFECT

1963 Fogmaker Only	\$ 98.50	
1964 Fog Juice, Quart (Per Gallon: Single \$6.95; Case of 6 \$5.95; Drum of 55 \$4.95).		Qt. 3.00
1965 Fog Chaser, Quart (Per Gallon: Single \$7.95; Case of 4 \$6.95; Drum of 55 \$5.95).		Qt. 3.25
1966 Plastic Funnel	1.40	
1967 Fog Cooler	11.50	
19613 Spice Deodorant, Quart (Gallon: Single \$7.95; Case of 4 \$6.95; Drum of 55 \$5.95).		Qt. 3.25
19629 Air Clean, Quart (Per Gallon: Single \$7.95; Case of 4 \$6.95; Drum of 55 \$5.95).		Qt. 3.25
19615 Insecticide, Quart (Per Gallon: Single \$7.95; Case of 6 \$6.95; Drum of 55 \$5.95).		Qt. 3.25
1962 Carrying Case	43.00	
1961 Fogmaker Kit	170.40	1.85

Page 45 FOGMAKER MOLEFFECT

1986 Fogmaker	\$ 460.00	Wood
1993 Fogmaker	1649.35	Wood
1988 Formulation Drum Only	49.25	
1984 Fogjuice (Five Gallon Can \$8.20; 55 Gallon Drum \$60.00 plus \$6.00 drum deposit)		
19615 Insecticide (Per Gallon: Single \$7.95; Case of 6 \$6.95; Drum of 55 \$5.95)		

Page 47 CABLE POWER DISTRIBUTION*

		PRICE	CARTON PACKING
101A	Single-Hole (Type 101P) Plugging Box With 25 Feet # 8/2-Conductor Cable and Type 100A Stage Plug	\$ 41.50	
101B	Single-Hole (Type 101RU) Plugging Box With 25 Feet # 8/2-Conductor Cable and Type 100A Stage Plug	45.00	
102	Two-Hole (Type 102P) Plugging Box With 25 Feet # 6/2-Conductor Cable and Type 100A Stage Plug	47.95	
104B	Four-Hole (Type 104P) Plugging Box With 50 Feet # 4/3-Conductor Cable and Type 50013A Bus Bar Lugs	110.00	
104A	Four-Hole (Type 104P) Plugging Box With 50 Feet # 4/2-Conductor Cable and Type 50013A Bus Bar Lugs	80.50	
106B	Six-Hole (Type 106P) Plugging Box With 50 Feet # 2/3-Conductor Cable and Type 50013A Bus Bar Lugs	157.70	
106A	Six-Hole (Type 106P) Plugging Box With 50 Feet # 2/2-Conductor Cable and Type 50013A Bus Bar Lugs	128.40	
123	2/3 Extension— 50 Feet # 2/3-Conductor Cable With Type 50013A Bus Bar Lugs Both Ends	142.55	
122	2/2 Extension— 50 Feet # 2/2-Conductor Cable With Type 50013A Bus Bar Lugs Both Ends	110.70	
140	4/0 Feeder— 100 Feet Single-Conductor Cable With Type 50044 Bus Bar Lugs Both Ends	149.50	
177	Splicing Block—3 Bar	40.10	
1901	Splicing Block—4 Bar	59.50	

*All cable is rubber covered.

Cable lengths are standard in Hollywood.

(Other lengths will be quoted on request.)

Page 48 CABLE POWER DISTRIBUTION ACCESSORIES

PIN PLUGS

For Wire Sizes 2, 4, 6	Male Type	22623	\$ 2.25
	Female Type	22622	2.25
	Fiber Type	22624	.75

For Wire Size 8	Male Type	50019	\$ 2.25
	Female Type	50016A	2.25
	Fiber Type	50016B	.75

For Wire Sizes 0, 00	Male Type	450239	\$ 2.80
	Female Type	450211	2.80
	Fiber Type	22624	.75

Line Fuse Type 50133 or 500134	\$29.80
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Bus Bar Lugs

450212A for Wire Sizes 1/0, 2/0	\$ 3.35
50013A for Wire Sizes 2, 4, 6	2.30
50044 for Wire Sizes 3/0, 4/0	3.10

Plugging Boxes

101RU	\$13.95
101P	10.50
102P	15.00
104P	17.45
106P	22.00
111	3.10

Plus Wooden Packing

Page 49 CORD POWER DISTRIBUTION

2-Receptacle Box for House Plug Type 1631	\$20.50
2-Receptacle Box for Twist-Lock Plugs Type 1661	21.50
4-Receptacle Box for House Plugs Type 1591	24.50
4-Receptacle Box for Twist-Lock Plugs Type 1651	26.10
Single-Extension for House or Twist-Lock Plugs Type 1641	19.50
3-Receptacle (With Switches) for House Plugs Type 1751	39.40
3-Receptacle (With Switches) for Twist-Lock Plugs Type 1741	40.40

Page 50 SAFETY PLUGS

50	Half Plug	\$ 3.30
50F2	Fused Half Plug	4.45
100A	Full Plug	4.80

Page 51 2-UNIT REMOTE

CONTROLLED SWITCHBOARD Type 295	\$ 905.45	Wood
AC Rectifier for AC Operation	\$49.00	

Page 52 TRANSFORMER TYPE 176 \$2730.35

Wood

Page 53 DIMMER COMBINATION TYPE 367

\$5355.00

Wood

Page 54 MICROPHONE BOOM AND PERAMBULATOR

Microphone Boom Type 103B	\$1091.50
Perambulator Type 126B	1336.00

Microphone Hangers (Clamp Type)

Type H-1: 1 7/8" to 2 1/8" Dia. for American DR330, RCA88A, Electrovoice 600, 635, or 666, W.E. or Altec 633A	\$24.30
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Type H-2: 2 1/2" to 2 3/4" Dia. for RCA77D or 10001, W.E. or Altec 630A	24.30
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Type H-3: 3" to 3 1/2" Dia. for W.E. or Altec 618A	24.30
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Type H-5: For Altec 670A	24.30
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Type H-6: For Altec 671A	24.30
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Type H-7: 1 1/2" to 1-11/16" Dia. for Altec 660	24.30
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Type H-8: For Altec 680A	24.30
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Microphone Hangers (Stud Type)

Type H-4: For Altec 639A and B, Shure Cardioid, W.E. RA1142	20.00
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Page 55 DUARC

HEAD TYPE 40	\$ 827.75	Wood
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PEDESTAL TYPE 4066A	86.10	Wood
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Type 325 Molevator	1278.70	Wood
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Type 515 Shutter	218.25	Wood
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Page 56 120-AMPERE MOLARC

HEAD TYPE 90	\$1542.75	Wood
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PEDESTAL TYPE 90140	108.90	Wood
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Type 325 Molevator	\$1278.70	Wood
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41560	2-Leaf Barn Door	35.90
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41560A	4-Leaf Barn Door	49.50
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41548A	Diffuser Frame	5.35
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41549A	Set 3 Snoots	38.50
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41563S	Single Lamp Scrim	5.25
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41562S	Half Single Lamp Scrim	5.25
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41563D	Double Lamp Scrim	6.90
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41562D	Half Double Lamp Scrim	6.90
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514	Shutter	216.10
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1861	Iris	162.50
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41572	4-Blade Sliding Barn Door	48.50
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Page 57 150-AMPERE MOLARC

	PRICE	CARTON PACKING
HEAD TYPE 170	\$2339.30	Wood
PEDESTAL TYPE 4504	322.85	Wood
Type 325 Molevator	1278.70	Wood
41616 2-Leaf Barn Door	56.00	
41616A 4-Leaf Barn Door	99.10	
41699A Diffuser Frame	7.00	
416101S Single Lamp Scrim	8.90	
416100S Half Single Lamp Scrim	8.90	
416101D Double Lamp Scrim	10.90	
416100D Half Double-Lamp Scrim	9.80	
513 Shutter	279.50	

Page 58 225-AMPERE MOLARC (BRUTE)

HEAD TYPE 450	\$2975.50	Wood
PEDESTAL TYPE 4504	322.85	Wood
Type 325 Molevator	1278.70	Wood
450260 2-Leaf Barn Door	108.25	
450267 4-Leaf Barn Door	180.50	
450481A Diffuser Frame	21.00	
450511S Single Lamp Scrim	14.60	
450512S Half Single Lamp Scrim	14.60	
450511D Double Lamp Scrim	17.60	
450512D Half Double Lamp Scrim	15.50	
518 Shutter	452.20	
450681 Lens Guard	9.25	

Page 59 BOOKS

	PRICE Plus Postage
Camera and Lens	\$ 3.95
The Negative	3.95
The Print	3.95
Natural-Light Photography	3.95
Artificial-Light Photography	3.95
Advertising Photography	12.50
Airbrush Tech. Photographic Retouching	9.50
All the Photo Tricks	3.95
American Cinematographer Manual	7.50
Animation Art in Commercial Film	6.95
Animation Techniques and Commercial Film Production	11.00
An Introduction to Color	13.50
An Intro. to Science of Photography	7.50
Fred Archer on Portraiture	5.75
Audio Control Handbook	6.95
Audio Cyclopedia	19.95
Camera Lenses	3.25
Camera Portraiture	5.95
Camera Techniques	5.75
Cinema as Graphic Art	6.95
Color in Business, Science and Industry	8.50
Color Movie Making for Everbody	5.00
Commercial and Industrial Photography	10.95
Complete Tech. of Making Films	6.95
Corrective Photography	5.00
Creativity	6.50
Dollars and Sense of Business Films	5.00
Electronic Motion Pictures	5.00
Elements of Color in Prof. M.P.	3.50
Elements of Math, Radio, TV, Electronics	6.95
Elements of Sound Recording	12.00
Exposure	5.00

Page 60 BOOKS

Exposure Manual	\$ 9.95
Eye, Film, Camera in Color Photography	8.95
Film and the Director	4.95
Film and Its Techniques	8.50
Film As Art	1.50
Film Making Script to Screen	2.95
Focal Encyclopedia of Photography	20.00

Page 60 BOOKS — CONTINUED

	PRICE Plus Postage
Fundamentals of Photographic Theory	7.50
Fundamentals of Photography	10.00
Grammar of the Film	1.50
Graphic Graflex Photography	6.95
Half Century of Color	10.00
Handbook of Basic MP Techniques	6.50
High Speed Photography Vol. 6	3.85
Hollywood Film Prod. Manual (Sup. \$17.50 Yr.)	30.00
How to Develop, Etc., Your Own Pictures	4.95
How to Direct for Television	2.50
How Photography Works	9.50
How to Shoot a Movie Story (Paperback)	1.95
How to Write and Direct for TV	4.50
Int. to Photographic Principles	8.00
Leica Manual and Data Book	6.95
Lighting for Photography	5.00
Lighting for Portraiture	5.00
Magnetic Tape Recording	8.95
Make Your Own Stereo Pictures	6.50
Optics, Tech. of Definition	5.75
Medical Photography (Fifth Edition)	15.00
Mortensen on the Negative	6.00

Page 61 BOOKS

MP Production for Industry	8.00
The Movies	15.00
Movies for TV	7.95
Movie Techs. for Advanced Amateur	4.95
Odham's Manual of Photography	7.50
Painting with Light	9.00
Photographic Chemicals and Chemistry	2.75
Photographic Chemistry Vol. 1 and 2	Ea. 21.00
Photo Dictionary (Paperback)	2.50
Photo-Lab Index (Sup. \$4.00 Yr.)	19.95
Photographic Lens Manual and Directory	3.50
Photographic Optics	6.00
Photography, Its Materials and Processes	15.00
Photography for Graflex 22	1.50
Photometry	12.75
35MM Photo Technique	4.50
Posing for the Camera	6.95
Practical Portrait Photography	6.95
Principles of Cinematography	13.95
Principles of Color Television	17.50
Principles of Optics	17.50
Professional Cine Photographer	3.50
Radio and TV Mathematics	7.50
Science of Photography	7.50
Screen Writing and Prod. Techs.	4.95
Sensitometry	5.00
Sensitometry in Practice	4.95
16MM Sound Motion Pictures	12.50

Page 62 BOOKS

Stereo Realist Manual	2.95
Successful Color Photography	5.95
Successful Photography	4.95
Technique of Film Animation	10.00
Technique of Film Editing	7.50
Technique of Film Music	9.00
Technique of Film and TV Make-Up	9.00
Technique of the Sound Studio	10.50
Techs. of Magnetic Recording	8.95
Techniques of Television Prod.	10.75
Television Commercial	6.50
Television Production	7.50
Theory of Photographic Process	25.00
TV and Film Prod. Data Book	2.95
TV and Screen Writing	3.95
TV Tape Commercials	4.50
Underwater Photography	3.50
Video Tape Recording	8.95

ITEM NO.	WATTS	ORDERING CODE	STD. PKG.	BULB	BASE	FILAMENT	DEGREES KELVIN	UNIT PRICE
1	10,000	10KG96	1	G-96	MOG. BIP.	C-13	3350	\$108.00
2	5,000	5M/G64/3	2	G-64	MOG. BIP.	C-13	3350	36.00
3	5,000	5M/T64/1	2	T-64	MOG. BIP.	C-13	3350	40.00
4	5,000	5M/G64/7	2	G-64	MOG. BIP.	C-13	3200	39.00
5	5,000	5M/T64/3	2	T-64	MOG. BIP.	C-13	3200	48.00
6	2,000	2M/G48/14	9	G-48	MOG. BIP.	C-13	3350	16.75
7	2,000	2M/T48/4	6	T-48	MOG. BIP.	C-13	3350	20.25
8	2,000	2M/G48/18	9	G-48	MOG. BIP.	C-13	3200	15.00
9	2,000	2M/T48/1	9	T-48	MOG. BIP.	C-13	3265	20.25
10	2,000	2M/G48/17	9	G-48	MOG. BIP.	C-13	3050	17.50
11	1,500	1500 (CLEAR)	12	PS-52	MOG. SC.	C-7A	3050	4.50
12	1,500	1500/1F	12	PS-52	MOG. SC.	C-7A	3050	4.65
13	1,500	1500PS52/78	12	PS-52	MOG. SC.	C-7A	3200	5.75
14	1,000	DXR	24	PS-35	MOG. SC.		3400	1.70
15	1,000	1M/G48/8	9	G-48	MOG. BIP.	C-13	3150	17.75
16	1,000	1000 (CLEAR)	12	PS-52	MOG. SC.	C-7A	3050	3.00
17	1,000	1000/1F	12	PS-52	MOG. SC.	C-7A	3050	3.15
18	1,000	1M/PS52/77	12	PS-52	MOG. SC.	C-7A	3200	4.60
19	1,000	ECV	24	PS40	MOG. SC.	C-7A	3200	3.00
20	1,000	1000/SB1F	12	PS-52	MOG. SC.	C-7A	3050	5.70
21	750	750/T24/5	24	T-24	MED. BIP.	C-13	3080	8.50
22	750	750/T24/13	24	T-24	MED. BIP.	C-13	3350	7.20
23	750	750/T24/16	24	T-24	MED. BIP.	C-13	3200	7.20
24	750	750 (CLEAR)	12	PS-52	MOG. SC.	C-7A	3000	2.80
25	750	750/1F	12	PS-52	MOG. SC.	C-7A	3000	2.95
26	500	500/T20/60	12	T-20	MED. BIP.	C-13	3350	7.65
27	500	500 (CLEAR)	24	PS-40	MOG. SC.	C-9	3000	1.10
28	500	500/1F	24	PS-40	MOG. SC.	C-9	3000	1.15
29	500	500/T20/63	12	T-20	MED. BIP.	C-13	3200	7.25
30	500	ECT	60	PS-25	MED. SC.	C-9	3200	.80
31	500	Q500T3	12	T-3	REC. S.C.	C-8	3025	12.35
32	500	Q500T3/CL	12	T-3	REC. S.C.	C-8	3025	11.35
33	200	CWR	24	T-10	D.C. BAY.	2CC-8	3100	4.40
34	200	CCM	24	T-8	D.C. BAY.	2CC-8	3075	3.00
35	150	CGP	24	T-8	D.C. BAY.	2CC-8	3085	2.90
36	100	CEB	24	T-8	D.C. BAY.	CC-13	2955	2.60
37	100	100G16 1/2 /29DC	60	G-16 1/2	D.C. BAY.	CC-13	2920	2.10
38	75	CBX	24	T-8	D.C. BAY.	CC-13	2920	2.60
39	50	CAX	24	T-8	D.C. BAY.	CC-13	2870	2.20
40	1,000	Q1000T3/4CL	12	T-3	REC. S.C.	C-8	3200	15.25
41	1,000	Q100T3/4	12	T-3	REC. S.C.	C-8	3200	16.25
42	500	Q500T3/4	12	T-3	REC. S.C.	C-8	3200	14.50
43	500	Q500T3/4CL	12	T-3	REC. S.C.	C-8	3200	13.50

PAGES 5-6-7 -8-9 NEW ADDITIONS — MAY BE USED IN EQUIPMENT SHOWN ON PAGES LISTED BELOW

5-6-7	750	Q750T3/4	12	T-3	REC. S.C.	C-8	3200	15.00
5-6-7	750	Q750T3/4CL	12	T-3	REC. S.C.	C-8	3200	14.00
8-9	200	BDJ	24	B-12	D.C. BAY.	2CC-8	3200	2.90

1—PRICES SHOWN ARE AT LIST AND ARE SUBJECT TO STANDARD DISCOUNTS DEPENDING UPON THE NUMBER AND VALUE OF GLOBES ORDERED.

2—WHILE GLOBES ARE NOT INCLUDED IN THE PRICE OF THE VARIOUS LIGHTING EQUIPMENTS, THEY MAY BE BOUGHT AT A SPECIAL PRICE AS A PART OF THE ORIGINAL INSTALLATION. WE WILL BE HAPPY TO QUOTE ON EQUIPMENT PLUS GLOBE IF YOU WILL STATE THE CODE NUMBER OF THE GLOBE DESIRED.

STANDARD CONDITIONS OF SALE

Prices are F.O.B. our plant with shipment by the least expensive carrier unless you specify differently.

All prices are subject to a packing charge whether indicated or not.

Shipment to customers whose credit is not established will be made C.O.D.

Prices are subject to change without notice.

Sales Taxes will be added on invoices to California customers.

Terms: Net 30 days.

Special conditions will apply to shipments outside the U.S.A.

WHEN ORDERING . . .

Use type numbers for both lamp head and pedestal—consider substitutions.

State whether stage, two-prong, or twist-lock plug shall be on lamp cable.

Specify any variation from standard 2-conductor cable.

Show your transportation preference.

Include requirements for supplies listed on supply page 39. Check catalog pages for substitutions.

area code: 213

telephone: 654-3660

cable: MORINC, Hollywood

Mole-Richardson Co. 937 NORTH SYCAMORE AVENUE, HOLLYWOOD, CALIFORNIA 90038

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